

DOCUMENT RESUME

ED 143 298

HE 009 299

TITLE Horizons. A Guide to Educational Opportunities in Ontario Beyond the Secondary School Level.

INSTITUTION Ontario Ministry of Colleges and Universities, Toronto.

PUB DATE 30 Jun 77

NOTE 144p.; Not available in hard copy due to marginal legibility of the original document

AVAILABLE FROM Information Resources Branch, Ministry of Colleges and Universities, Mcwat Block, Queen's Park, Toronto, Ontario M7A 1B9 Canada (Free)

EDRS PRICE MF-\$0.83 Plus Postage. HC Not Available from EDRS.

DESCRIPTORS Agricultural Education; Colleges; Correspondence Study; *Directories; *Educational Supply; Foreign Countries; General Education; Handicapped Students; Higher Education; *Liberal Arts; Medical Education; Older Adults; *Post Secondary Education; Student Costs; Student Financial Aid; Teacher Education; *Technical Education; Universities; *Vocational Education

IDENTIFIERS *Ontario

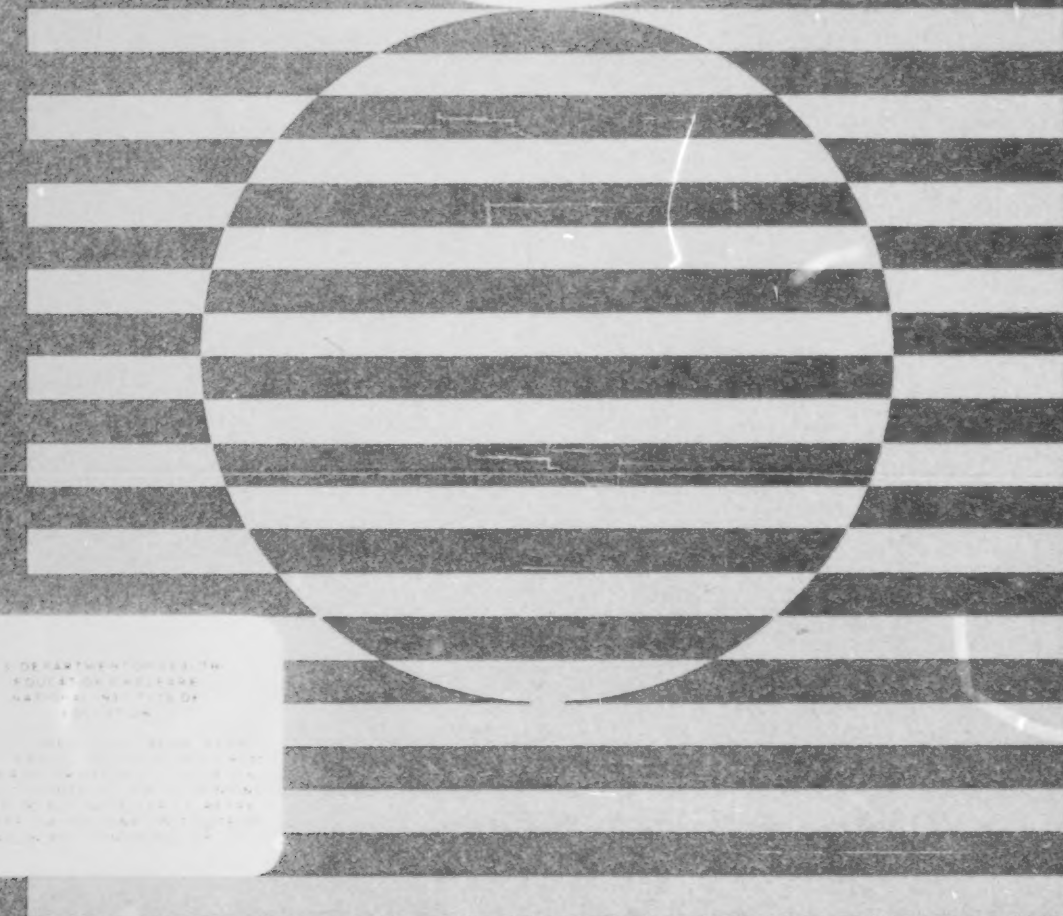
ABSTRACT

Designed to help Canadians in their choice of postsecondary education, this book describes the programs and costs of over 50 institutions of higher learning in Ontario. Included are: colleges of applied arts and technology; apprenticeships; Ontario universities; registered private vocational schools; correspondence study; facilities for handicapped students; study opportunities for senior citizens; and other postsecondary education, such as art colleges, teacher education, accountant education, medical education, and agricultural technology. A selected list of other reference publications on postsecondary education is also provided along with information on student financial aid. (LBH)

* Documents acquired by ERIC include many informal unpublished *
 * materials not available from other sources. ERIC makes every effort *
 * to obtain the best copy available. Nevertheless, items of marginal *
 * reproducibility are often encountered and this affects the quality *
 * of the microfiche and hardcopy reproductions ERIC makes available *
 * via the ERIC Document Reproduction Service (EDRS). EDRS is not *
 * responsible for the quality of the original document. Reproductions *
 * supplied by EDRS are the best that can be made from the original. *

HORIZONS

BEST COPY AVAILABLE



U.S. DEPARTMENT OF HEALTH
EDUCATION & WELFARE
NATIONAL INSTITUTE OF
EDUCATION

1980
EDUCATIONAL RESEARCH
AND DEVELOPMENT
DIVISION
1200 K STREET, N.W.
WASHINGTON, D.C. 20004

HORIZONS

A guide to educational opportunities in
Ontario beyond the secondary school
level

Published by the Ontario Ministry of
Colleges and Universities



Ministry of
Colleges and
Universities

Hon. Harry C. Parrott, DDS, Minister
Dr. J. Gordon Parr, Deputy Minister

Reading *Horizons* is going to help you to make what is probably one of the most important decisions you will face in your lifetime—your choice of post-secondary education. This book is designed to give you as much information as possible on the alternatives open to you, and I hope you will give each of those alternatives a lot of thought. Try to remember that it is not a question of which mode of post-secondary education is "the best"; rather, it is a question of which is best suited to your needs and aspirations, and whether you choose a skilled trade or a university degree, you will be able to make an equally worthwhile contribution to society.

If you decide to attend one of Ontario's universities or colleges of applied arts and technology, bear in mind as you pay your tuition fee that this fee represents only a portion of the actual cost of your education. For the academic year 1977/78, the average university tuition is around \$750, and for every such fee paid by a student, a corresponding payment, averaging approximately \$4,000, is made by the Government to the university. Similarly, for every \$325 fee paid by a community college student, a grant averaging around \$2,700 in public money is paid to the college.

In addition, should you and your family have limited resources, the Ontario Student Assistance Program is designed to assist you, according to your assessed need, with the costs involved in your studies, such as tuition, books and living expenses. For the 1977/78 academic year, the Government's budget for the non-repayable provincial grants portion of the program is \$74,000,000, a 23 per cent increase over the previous year.

In other words, the Ontario Government makes post-secondary education one of its highest priorities when it comes to allocating funds, in order that you may take advantage of the opportunities it affords.

Choose carefully—and good luck!



Harry Parrott

Harry Parrott, DDS
Minister of Colleges and Universities

Contents

5	Financial Assistance to Students
8	Students' Costs
11	General Information on Colleges of Applied Arts and Technology
14	Chart of Programs Available at Colleges of Applied Arts and Technology
	Colleges of Applied Arts and Technology
26	Algonquin
27	Cambrian
28	Canadore
30	Centennial
32	Conestoga
33	Confederation
34	Durham
36	Fanshawe
37	George Brown
39	Georgian
40	Humber
42	Lambton
43	Loyalist
44	Mohawk
46	Niagara
47	Northern
48	St. Clair
49	St. Lawrence
51	Sault
52	Seneca
54	Sheridan
57	Sir Sandford Fleming
59	Apprenticeship
62	Trade Descriptions
66	General Information on Ontario Universities
69	Chart of Programs Available at Ontario Universities
	Ontario Universities and Ryerson
73	Brock
74	Carleton
76	Guelph
79	Lakehead
81	Laurentian
84	McMaster
86	Ottawa
88	Queen's
91	Royal Military College
92	Ryerson
95	Toronto
99	Trent
100	Waterloo
103	Western
106	Wilfrid Laurier
107	Windsor
109	York

	Other Post-Secondary Education
112	Ontario College of Art
113	Teacher Education
114	Certified General Accountants Association
115	Institute of Chartered Accountants
115	Society of Management Accountants
116	Centralia College of Agricultural Technology
117	Kemptville College of Agricultural Technology
117	New Liskeard College of Agricultural Technology
118	Ridgetown College of Agricultural Technology
118	Niagara Parks Commission School of Horticulture
119	Canadian Memorial Chiropractic College
119	Nursing Assistant Program
120	Medical Laboratory Technology
120	Radiological Technology
121	Toronto Institute of Medical Technology
124	Registered Private Vocational Schools
124	Directory Lists
132	Correspondence Study
135	Facilities for Handicapped Students
138	Study Opportunities for Senior Citizens
141	Selected List of Other Reference Publications on Post-Secondary Education

Note:

With reference to admission requirements for post-secondary programs:

Year 5 refers to Ontario grade 13

Year 4 refers to Ontario grade 12

Year 3 refers to Ontario grade 11

Year 2 refers to Ontario grade 10

OSSGD = Ontario Secondary School Graduation Diploma (completion of 27 credits meeting Ministry of Education requirements)

OSSHGD = Ontario Secondary School Honour Graduation Diploma (completion of six credits at the year 5 level)

The information in this edition has been revised as of June 30, 1977. As some changes in courses and admission requirements may be made during 1978, students planning to attend college or university in 1978-79 are advised to consult their guidance counsellors and check the calendars of post-secondary institutions in which they are interested.

Information on post-secondary courses offered in French is summarized in *Tour d'horizon* which is distributed to all francophone and bilingual secondary schools.

Copies of *Horizons* and of *Tour d'horizon* can be obtained free of charge by writing to or telephoning Information Resources Branch
Ministry of Colleges and Universities
Mowat Block, Queen's Park
Toronto, Ontario M7A 1B9
Telephone (416) 965-6134



Financial Assistance to Students

Students who need financial assistance to attend a university, community college, or other post-secondary institution may be able to obtain it from government or private sources.

A number of corporations, veterans' organizations and service clubs offer scholarships for academic excellence in particular subjects, and most universities have entrance scholarships for outstanding scholars. Information on these bursaries and scholarships should be available from your guidance office or from university and community college calendars and student awards offices.

About two out of every five full-time students at Ontario's colleges and universities receive financial aid from the Ontario Government which administers the student assistance programs outlined below.

Ontario Student Assistance Program (OSAP)

OSAP is intended to help students who need money for further education. Academic excellence is not a qualification. OSAP provides funds to supplement a student's own financial resources and those of his or her immediate family.

The main features of the program are summarized below. Full information is contained in the brochure entitled *Ontario Student Assistance Program 1977-78*, which you may obtain from your guidance counsellor, from the student awards officer at the institution you hope to attend, or from the Ministry of Colleges and Universities (address at the end of this section). An updated brochure describing OSAP for the 1978-79 academic year will be distributed to all Ontario secondary schools in the spring of 1978.

Who is eligible?

You may qualify for loan and grant assistance from OSAP if you plan to attend one of the following institutions

in Ontario:

- a university
- a college of applied arts and technology
- a teacher education college
- a college of agricultural technology
- Ryerson Polytechnical Institute
- the Royal Military College of Canada
- the Royal Conservatory of Music
- the Ontario College of Art
- the Ontario Bar Admission Course
- the Canadian Memorial Chiropractic College
- regional nursing assistant schools.

Outside Ontario, you may qualify for loan and grant assistance if you plan to attend any university or approved community college in Canada or a Canadian military college.

To qualify, you should be taking at least 80% of a full course load in a program of 26 weeks or more which has been approved by the Ontario Government and which leads to a degree, diploma or certificate. You should also be a Canadian citizen or landed immigrant and meet Ontario's residency requirements.

Applicants eligible for OSAP may receive loan or loan-grant assistance up to the amount of their financial need.

Ontario residents who wish to attend public or private post-secondary institutions in Canada or throughout the world, may be eligible to receive a loan through the Canada Student Loans Plan (CSL), but will not be eligible for a grant. Under the Canada Student Loans Plan, applicants may obtain loan assistance only, up to \$1,800 per academic year, based on assessed financial need.

How do you calculate financial need?

Financial need is calculated by subtracting financial resources from educational costs. If you and your family have no financial resources, your assistance could be the full cost of your education and related expenses. If your financial resources equal or exceed your educational costs, you will not qualify for assistance. Most applicants receive an award covering an

assessed proportion of their educational costs.

Educational Costs

Educational costs include the actual or estimated costs of the following items, as determined by the institution and approved by the Ministry:

- tuition and compulsory fees
- books and equipment
- board and lodging and miscellaneous expenses
- return trip home each year
- local transportation.

Financial Resources

Depending upon your circumstances, your financial resources may include amounts you are expected to have saved from summer or work-term earnings, or from time in the work force prior to enrolment, or earnings over \$75 per month from part-time work after enrolment. Academic awards in excess of \$300 may also be considered as a financial resource.

In addition, in the case of most students leaving secondary school and applying for assistance to attend a post-secondary institution, parents are expected to contribute to your basic educational costs, according to their resources. To determine their contribution, an objective assessment is made of parents' income, and allowances are made for their basic expenses and the number of their dependents. Parental contribution tables are available for reference at guidance offices and student awards offices.

Loan and Grant Assistance

If you qualify to receive assistance through OSAP, it will be in the form of a loan or a combination of loan and grant. Loans are interest free until the repayment period begins, usually six months after you cease to be a full-time student. Provincial grants do not normally have to be repaid.

Usually, for a program of up to 32 weeks, the first \$1,000 of OSAP assistance is a loan and any additional assistance is grant. For example, if your

assessed financial need is \$600, you will receive a loan of that amount. If your financial need is \$1,500 you will get a \$1,000 loan and a \$500 grant.

Where, When and How to Apply

If you are planning to attend an Ontario college or university or one of the other Ontario institutions listed above, you can get your application forms directly from the institution's student awards office. To apply for assistance for attending any other post-secondary institution, you can obtain the necessary forms from the student awards officer of the Ministry of Colleges and Universities (address at the end of this section).

Mail your application to the student awards office at the institution you hope to attend or take it to the awards office personally to be checked for completeness and accuracy. You can submit your application as soon as the forms are available, usually in April.

Your application has to be submitted no later than July 1, in order to be processed for fall registration. September 30 is the final deadline if you want to receive assistance for a normal full academic year.

If you hope to enter a trimester or co-operative program you should submit your application before the end of the first month of the semester to which the application refers.

To obtain further information about the Ontario Student Assistance Program, contact the student awards office of the institution you hope to attend or the Student Awards Branch of the Ministry of Colleges and Universities.

Ontario Student Loans Plan

The Ontario Student Loans Plan is a program which provides loans to eligible students who do not qualify for assistance from OSAP or the Canada Student Loans Plan. The program is designed to help people such as part-time students taking less than 80% of a normal full course load and students enrolled at public post-secondary institutions in programs which are less

than 26 weeks in length or which do not require year 4 (grade 12) for entry. Eligible students can receive up to \$900 per semester. The interest rates and terms of repayment are similar to those for the loan portion of OSAP.

Ontario Special Bursary Program

The aim of the Ontario Special Bursary Program is to encourage people in serious financial need to pursue post-secondary studies, so that they may improve their financial situation. You may be eligible for a bursary if you are:

- taking or intending to take no more than three courses;
- receiving social assistance, unemployed, or have a low family income;
- at least 18 years old and a Canadian citizen or a landed immigrant;
- resident in Ontario for 12 consecutive months, not counting time spent as a full-time student;
- registered or accepted for registration at an Ontario university or college of applied arts and technology, Ryerson Polytechnical Institute, the Ontario College of Art or an approved private vocational institution;
- taking or intending to take one or more credit courses leading to a degree, diploma or certificate. Upgrading courses are now eligible.

If you are eligible, you may receive a bursary to cover the costs of your tuition and other compulsory fees and the books, equipment and related items you will need. You may also receive a supplementary grant of up to \$150 per term to help cover costs such as babysitting, and transportation expenses. The maximum amount of assistance per academic year is \$1,000.

Fellowships and Bursaries for Second Language Study

There are a number of federal-provincial programs related to Canada's two official languages. These include:

- Fellowships for Studying in French
A program providing fellowships for the first year of study in any discipline taken in the French language at the

graduate or undergraduate level in a Canadian university, at a college of applied arts and technology in Ontario, or in a French-language CEGEP in Quebec (professional program). Eligible students may receive up to \$2,000 for one academic year only.

- Teacher's Summer Bursary Program
Programs for French-language teachers and teachers of French as a second language taking certain short-term full-time summer courses to improve the quality of their teaching. The programs provide bursaries up to a maximum of \$600.
- Summer Language Bursary Program
A bursary program for summer language study gives institutions \$800 to cover the cost of tuition and board and lodging for each student taking immersion courses in their second language, either English or French.

Ontario Scholarships

Awards in the amount of \$100 are made on the recommendation of secondary school principals to year 5 (grade 13) students who have an overall average of 80% or better in six year 5 (grade 13) credits. Additional information may be obtained from your high school guidance office.

Secondary School Bursaries

In the graduating year of their secondary school programs, needy students may qualify to receive bursaries of \$100 through the Ministry of Education. Applications for bursaries are subject to the recommendation of the head of guidance and the approval of the principal of the secondary school concerned. Application forms are available at secondary school guidance offices.

For further information on any of these financial assistance programs, contact

Inquiry Section
Student Awards Branch
Ministry of Colleges and Universities
Mowat Block, Queen's Park
Toronto, Ontario M7A 2B4
Telephone (416) 965-5241

Students' Costs

Total Costs

Total costs for an eight-month academic year at a post-secondary institution may vary from a few hundred dollars for a student living at home and attending a community college to about \$3,000 or more for a university student living on campus or boarding away from home.

Annual Tuition Fees

Tuition or academic fees may usually be paid in two instalments in September and January. All colleges of applied arts and technology require applicants to send a non-refundable deposit on their tuition fees along with their acceptance of a place after they have received the institution's offer of admission. Some universities also require a deposit on tuition fees for limited enrolment programs.

The figures below show the range of annual fees and include student activity fees in most instances. Specific fees are listed under individual universities and colleges.

University Degree Programs— Annual Fees

arts	\$647–\$ 800
commerce	\$647–\$ 700
dentistry	\$950–\$1,100
education	\$700–\$ 750
engineering	\$800–\$ 860
law	\$689–\$ 772
medicine	\$817–\$1,200
nursing	\$619–\$ 730
physical education	\$705–\$ 800
science	\$722–\$ 845

Other Institutions—Annual Fees

Ontario College of Art	\$575
Community colleges	\$325–\$555
Ryerson Polytechnical Institute	\$524
Nursing assistant centres	\$150

Foreign Student Fees

A new policy regarding fees for foreign students attending provincially assisted post-secondary institutions in Ontario has been adopted by the provincial government. This policy reduces somewhat the operating support which is provided by government to the universities and the colleges of applied arts and technology with respect to certain groups of new foreign students.

Canadian citizens and landed immigrants are exempt from the new policy. Among foreign students, groups which are exempt include diplomatic and consular officials and their dependents (admitted under section 7(1) (a) of The Immigration Act), dependents of persons admitted to Canada for the temporary exercise of their profession, trade, or occupation (admitted to Canada under section 7(1) (h) of The Immigration Act), CIDA sponsored students, and students studying in Canada under eligible cultural exchanges. Students who are unsure about their status in this matter or who want more information are urged to contact the institution to which they are applying.

The policy took effect in the colleges in September, 1976 and became applicable to the universities in January, 1977. Foreign students who had completed one or more terms of their program prior to these dates will continue to pay the same fees as exempt students until January, 1980 or until they have completed their current program of study, whichever comes first.

Tuition fees for foreign students registering in any program at the colleges of applied arts and technology are \$750 per two-term academic year.

As the universities are autonomous in the area of determining the fees charged to their students, the final decision on the fees for foreign students is left to the Board of Governors. Generally, tuition fees for foreign students attending a university are \$750 per academic term, \$1,500 per two-term ac-

ademic year or \$2,250 for three consecutive terms. However, students are cautioned to check with the individual institutions for details on the actual fees charged to foreign students.

Transportation

An additional \$20 a month or more should be added to the living expenses of the student who cannot walk to classes. This figure will vary according to the public transportation rates, car pool arrangements and parking fees.

Books and Student Supplies

College and university students usually need \$150 to \$500 per year for books and supplies. Students in specialized or professional university courses such as architecture, dentistry and medicine, or in photography, cinematography, advertising and graphic arts at a community college, may require additional funds for the purchase of books and instruments.

Student Activity Fees

The tuition or academic fees at most universities include a student activity fee to cover such costs as the use of sports facilities, student council fee, health service contribution, registration fee, etc. At other post-secondary institutions the student activity fee is levied separately. Specific information may be obtained from the calendars of the universities and colleges.

Application and Examination Fees

Students wishing to enter university in any year are required to submit their application to the Ontario Universities' Application Centre. The same application form is used by all persons applying for university. A \$7 fee must accompany the common application form when submitted.

Students wishing to apply to colleges of applied arts and technology are not required to submit an application fee. Some institutions require a fee from students writing special examinations.

Health Insurance

If your parents have Ontario health insurance, you are covered as their dependent only until you become 21, marry or take regular employment. The monthly premium for a single person is \$16, and for a family, \$32. However, premium assistance is available to single persons with an estimated taxable income of \$2,000 or less in the current year, and families with an estimated taxable income of \$3,000 or less. If you are not covered by an existing health plan or require health insurance information, contact the Ontario Health Insurance Plan
2195 Yonge Street
Toronto, Ontario M4F 2B2

Board and Lodging

Every Ontario university and a few colleges of applied arts and technology have residence facilities. Depending on meal plans and occupancy, residence costs range from about \$1,400 to \$2,100 or over for an academic year. Specific costs are listed under the individual universities in *Horizons* and in university calendars. Students who choose board and lodging should allow at least \$45 a week to cover these costs. All institutions maintain a housing registry listing available accommodation in the area.

Miscellaneous Expenses

Besides the basic student costs of board and lodging and tuition fees, there are incidental expenses which must be counted for a realistic estimation of the annual cost of a year at a university or college. A weekly average of about \$12 should be allowed for miscellaneous items such as laundry, personal needs and entertainment.



General Information on Colleges of Applied Arts and Technology

The colleges of applied arts and technology provide post-secondary training in fields of vocational, technological, general and recreational education. They provide job-oriented programs for high school graduates, and for out-of-school youth who may not have completed secondary school.

The community college is a composite, comprehensive institution providing a wide variety of day and evening courses on a full and part-time basis. The colleges offer their students both a chance to develop skills needed by business and industry and an opportunity to broaden their educational background.

Enrolment

There are 22 community colleges with a total of more than 90 campuses serving all the major economic regions of Ontario.

In 1976-77, post-secondary enrolment was about 60,000 full-time students, with 61,000 predicted for 1977-78, and 62,000 by 1978-79. The number of part-time credit students exceeds full-time enrolment. A large number of adults across the province have discovered the colleges and are taking advantage of regular and extension programs.

General Admission Requirements

The colleges provide the people of Ontario with an essentially "open door" type of admission policy.

The following information will give students a general idea of the admission requirements at the colleges of applied arts and technology, but since there are variations from college to college in some courses, students are strongly advised to consult the calendar of the college they are interested in attending. Calendars may be obtained from secondary school guidance offices or directly from the college registrar.

The following persons are eligible for admission:

- holders of an Ontario Secondary School Graduation Diploma obtained at the end of year 4 from any branch or program, or
- holders of an Ontario Secondary School Honour Graduation Diploma obtained upon completion of year 5, or
- those who have attained the age of 19 years on or before the date of commencement of the program of instruction in which they plan to enrol.

Students will be admitted to the colleges of applied arts and technology in the following order of preference:

- permanent residents of Ontario
- permanent residents from other Canadian provinces
- overseas students from commonwealth countries
- students from other foreign countries.

Programs Offered

At most colleges, programs are divided into major divisions, such as applied arts, business, health sciences, technology, extension or retraining. However, at some colleges, these major divisions have been sub-divided or reorganized to reflect a particular emphasis on the internal organization of the college. Northern College, for example, has the Haileybury School of Mines.

In September 1973, the responsibility for the education of diploma nurses was transferred from hospital and regional schools of nursing into the system of general education, i.e. colleges of applied arts and technology and Ryerson Polytechnical Institute. At the successful conclusion of the program, students write the examination for registration as a nurse in Ontario, conducted by the College of Nurses of Ontario.

Together, the community colleges offer nearly 2,000 programs. Three-year diplomas, two-year diplomas, one-year certificates, apprenticeship, and part-time or extension courses are available. For a listing of programs

offered by individual colleges, students can consult the CAAT program charts on the following pages and the specific college sections in *Horizons*. For specific information on any program or course, students should check the individual college calendars or visit their nearest community college.

Manpower Retraining

Several adult training and retraining programs are offered through the colleges. Under the Training in Business and Industry plan, staff training programs are provided to upgrade the academic and vocational skills of employed individuals. Costs are shared by the employer, the employee and the Ontario Government.

The Canada Manpower Training Program is a co-operative venture of the federal and provincial governments, planned in consultation with community business and industry, to qualify adults for re-employment through basic academic upgrading or through technical and commercial courses. Individuals may participate in this program as fee-paying students, or by registering at their local Canada Manpower Centre for sponsored training in courses which the Department of Manpower and Immigration has purchased in the colleges. For information about programs offered, contact the college or local manpower centre.

Continuing Education/Extension Divisions

The purpose of the Continuing Education or Extension Divisions is to provide the opportunity for all members of the community to participate in learning experiences of their choice at a time and place that is convenient, on either a full or part-time basis. Whenever possible, in addition to non-credit courses of current interest, the programs offered parallel the day programs at the colleges so that interested students may work toward a college diploma.

Transfer Possibilities for CAAT Graduates

While it is not intended that the colleges should act as feeder institutions to the universities, honour graduates of the two-year programs may be accepted on an individual basis for admission to the first year of certain university programs.

Qualified graduates of the three-year programs with honours standing in the final year may, in some instances, be admitted to the second year of a related university program. For example, a graduate from an engineering technology program may qualify for admission to a degree program in engineering, if places are available. Decisions about the admissibility of individual CAAT graduates to degree programs are made by the admissions officers of the universities concerned.

Fees

Tuition fees for a full program are approximately \$165 per semester or \$325 per academic year for most programs. Students are also, in most cases, required to pay activity fees, laboratory fees or special fees as established by the individual college. Fees for foreign students are \$750 per two-term academic year. See the introductory section in *Horizons*, "Students' Costs", for further information.

Residence Accommodation

The colleges of applied arts and technology were planned to be within commuting distance of the main population centres. Little provision therefore has been made for residence accommodation, although in some areas, residence facilities are provided. Students can check with the housing bureau or student services office of the college they plan to attend regarding available residence facilities or lists of off-campus housing in the community.

Further Inquiries

For more detailed information on the colleges of applied arts and technology, check the individual college sections in *Horizons*, consult the college calendars which are available in secondary school guidance offices, or get in touch with the registrar's office of the college. Additional general information may be obtained from
College Affairs Branch
Ministry of Colleges and Universities
Mowat Block, Queen's Park
Toronto, Ontario M7A 1C1
Telephone (416) 965-2720

Notes:

Figures show duration of programs in semesters (normally 2 semesters per year). In apprenticeship programs figures indicate in-college sessions of 7 or 8 weeks each.

- ① Circled programs are "new" or "pending approval" or "dormant."
 2 Overscores indicate that shorter programs are available.
 3 Underscores indicate that programs are also offered in French.
 S indicates programs of less than 2 semesters.
 ✓ underscores indicate "French only."

Program	College	Algonquin (Ottawa)	Algonquin (Pembroke)	Cambrian (Sudbury)	Canadore (North Bay)	Centennial (Scarborough)	Conestoga (Kitchener)	Confederation (Thunder Bay)	Durham (Oshawa)	Fanshawe (London)	George Brown (Toronto)	Georgian (Barrie)	Humber (Etobicoke)	Lambton (Sarnia)	Loyalist (Belleville)	McHawk (Hamilton)	Niagara (Welland/St. Catharines)	Northern (S. Porcupine)	Northern (Kirkland Lake)	Northern (Haileybury School of Mines)	St. Clair (Windsor/Chatham)	St. Lawrence (Kingston)	St. Lawrence (Brockville)	St. Lawrence (Cornwall)	Sault (Sault Ste. Marie)	Seneca (York/North York)	Sheridan (Oakville/Brampton)	Sir S. Fleming (Peterboro/Cobourg)	Sir S. Fleming (Lindsay)
Apprenticeship and Pre-employment																													
Air Conditioning and Refrigeration		3								3					3														
Alignment and Brake Mechanic					2																								
Auto Body Repairman		2			2				3																				
Automotive Machinist					3																								
Automotive Painter					1																								
Baker										4																			
Barber										3																			
Boilermaker (Construction)					3																								
Brick and Stone Mason											3																		
Carpenter		2	S				3		3	2				3						3								S	
Carpet and Tile Installer							2					2															2		
Chef		2								4															2				
College/Vocational Program																													
Cook		2															2								6				
Electrician (Construction)		3				3	3		3	3		3		3	3		3			3	3			3				3	
Farm Equipment Mechanic									3																				
Fuel and Electrical System Mechanic					2																								
Glazier and Metal Mechanic										3																			
Hairdresser		2							2	2	2	2		2						2	2			2			2		
Heavy Duty Equipment Mechanic					3		3																	3					
Horticulture													2																
Industrial Electronic Controls										1																			
Ironworker										3																			
Lather		2								3																			
Machinist/Machine Trades		4						2	3	3				3															
Marine and Small Engine Mechanic					2		2																						
Millwright										3																		2	
Motor Vehicle Mechanic		3			3	3	③		3					3	3					3			3	3					
Motorcycle Mechanic					2																								
Painter and Decorator		2																											
Plumber		3			3				3	3		3		3						3	3			3					
Radio and T.V. Service Technician										5																			
Retail Meat Cutter										2																			
Service Station Attendant					1																								
Sheet Metal Worker		3			3				3	3		3								3									
Sprinkler and Fire Protection Installer										3																			
Steamfitter										3																			
Structural Steel Drafting								2			3	3																	
Toolmaker					3				3	3																			
Transmission Mechanic					2																								
Truck/Coach Mechanic					3																								
Truck/Trailer Repairer					2																								
Watch Repairer									4																				

Notes:

Figures show duration of programs in semesters (normally 2 semesters per year). In apprenticeship programs figures indicate in-college sessions of 7 or 8 weeks each.

- ① Circled programs are "new" or "pending approval" or "dormant."
 2 Overscores indicate that shorter programs are available.
 3 Underscores indicate that programs are also offered in French.
 S indicates programs of less than 2 semesters.

Notes:																													
Figures show duration of programs in semesters (normally 2 semesters per year). In apprenticeship programs figures indicate in-college sessions of 7 or 8 weeks each.																													
① Circled programs are "new" or "pending approval" or "dormant."																													
② Overscores indicate that shorter programs are available.																													
③ Underscores indicate that programs are also offered in French.																													
S indicates programs of less than 2 semesters.																													
College	Algonquin (Ottawa)	Algonquin (Pembroke)	Cambrian (Sudbury)	Canadore (North Bay)	Centennial (Scarborough)	Conestoga (Kitchener)	Confederation (Thunder Bay)	Durham (Oshawa)	Fanshawe (London)	George Brown (Toronto)	Georgian (Barrie)	Humber (Etobicoke)	Lambton (Sarnia)	Loyalist (Belleville)	Mohawk (Hamilton)	Niagara (Welland/St. Catharines)	Northern (S. Porcupine)	Northern (Kirkland Lake)	Northern (Haileybury School of Mines)	St. Clair (Windsor/Chatham)	St. Lawrence (Kingston)	St. Lawrence (Brockville)	St. Lawrence (Cornwall)	Sault (Sault Ste. Marie)	Seneca (York/North York)	Sheridan (Oakville/Brampton)	Sir S. Fleming (Peterboro/Cobourg)	Sir S. Fleming (Lindsay)	
Program																													
Arts, Visual, Creative, General																													
Apparel Technology/Management										6																			
Art Conservation Techniques																											4		
Commercial Art and Design/Packaging Design	4											6												6					
Crafts and Design/Material Arts/Furniture Accessory			6	4							6	6								4		6				6			
Creative Arts/Crafts	4				4						6										6	6	6	6		2			
Design Arts/Basic Design						6		6	6		6												6	6	6				
Environmental Art									6																				
Fashion Arts/Modelling/Design					4				6	6	4	4				6					6				6	4			
Fine Arts and Crafts/Administration	4		6						6			2	2				4				6	6	6	6			4		
General Arts and Science	4	4	4	4	6	4	4		4		6	4	4	4	4	4					6		6			4	4	4	
Graphic Design			6		6				6	6	6	4									6		6			6			
Horsemanship/Equestrian Management	2											4																	
Industrial Design					6		6	6	6		6																		
Interior Design/Decorating	6					④	6	6	6		6	6				4				6									
Jewellery Arts/Repairs										6																			
Landscape Design	4								6																				
Metal Arts												6																	
Music			6									6																	
Music Industry Arts									6																				
Painting									6																				
Signwriting (Commercial Art)/Screen Printing/Print Making									6	2														6					
Theatre Arts/Performing Arts										4		6				6													
Urban Design								6																					
Visual Arts Instructor																									4				
Business: Accounting																													
Accounting	6		6	6	6	6	4	6	4	4	4	4	6	6	6	4	6	6	6	6	4	④	4	4	6	6	4		
Finance	4				6		6									4	6				6	6	6	4	6		6		
Public Assessment and Real Property Appraisal			4													4							4						
Business: Administration and Management																													
Apparel Retailing																						2							
Business Administration	6		6	6	6	6	4	6	6	5	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	
Business General	6	4	4	4	4		4	4	4	4	4	4				4				4	4		4		4	4	4		
Business (Marina/Recreational Vehicles)																												4	
Corporate Administration																										⑥			
Farm Business/Management								4																				4	
General Management	6				4		4					S						6					6						
Industrial Administration/Management							6										6					6	6						
Industrial Relations						6																							
Institutional Management																											4		
International Business																										6			
Legal/Office Administration/Assistant	4		2		4		6	4				S				4				4	4					4			
Materials Management						6											6												
Municipal/Public Administration/Government Services							6	4								4									4				
Personnel Administration/Labour Relations			6		⑥		4	6				S				6													
Production and/or Operating Management					6											6													
Property Management/Real Estate/Insurance/Standards	4		6							4						④							6						
Retail Administration/Management	4				4											4							4			4	2		

Notes:

Figures show duration of programs in semesters (normally 2 semesters per year). In apprenticeship programs figures indicate in-college sessions of 7 or 8 weeks each.

- ① Circled programs are "new" or "pending approval" or "dormant."
 2 Overscores indicate that shorter programs are available.
 3 Underscores indicate that programs are also offered in French.
 5 indicates programs of less than 2 semesters.

Notes:																														
Figures show duration of programs in semesters (normally 2 semesters per year). In apprenticeship programs figures indicate in-college sessions of 7 or 8 weeks each.																														
① Circled programs are "new" or "pending approval" or "dormant."																														
② Overscores indicate that shorter programs are available.																														
③ Underscores indicate that programs are also offered in French.																														
④ indicates programs of less than 2 semesters.																														
Program	College	Algonquin (Ottawa)	Algonquin (Pembroke)	Cambrian (Sudbury)	Canadore (North Bay)	Centennial (Scarborough)	Conestoga (Kitchener)	Confederation (Thunder Bay)	Durham (Oshawa)	Fanshawe (London)	George Brown (Toronto)	Georgian (Barrie)	Humber (Eglington)	Lambton (Sarnia)	Loyalist (Belleville)	Mohawk (Hamilton)	Niagara (Welland/St. Catharines)	Northern (S. Porcupine)	Northern (Kirkland Lake)	Northern (Haileybury School of Mines)	St. Clair (Windsor/Chatham)	St. Lawrence (Kingston)	St. Lawrence (Brockville)	St. Lawrence (Cornwall)	Sault (Sault Ste. Marie)	Seneca (York/North York)	Sheridan (Oakville/Brampton)	Sir S. Fleming (Peterboro/Cobourg)	Sir S. Fleming (Lindsay)	
Business: Administration and Management (continued)																														
Urban Transit Operations					4																									
Wholesale Administration												4											4							
Wood Products Management																		6												
Business: Data Processing																														
Computer Programmer/Operator/Techniques					3							3																		
Computer Systems Analysis																											6	6	6	
Computer Operations and Analysis/Data Processing		6	6	6	4	6	6	6	6	4	4	4	6	4	6	6	6	6	6	6	6	6	6	6	6	4	4	4		
Information Processing		3																							4					
Business: Marketing																														
Cosmetics Retail Management/Sales																										4				
Insurance												4			4															
Marketing		6	6	6	6	6	4	6	4	4	6	4	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6		
Parts Management and Merchandising															2															
Physical Distribution									4																					
Retail Marketing		6			4	④					④	4										6	2			4	4			
Sales and Merchandising									2		4					4														
Textile Fabric/Floor Covering														4			②													
Business: Secretarial																														
Court Reporting									6																					
Dicta Typist			2	2	4					2						2	2	2			2	2	2	2	2	2	2	2	2	②
Secretarial Arts--General/Executive/Procedural		4	4	4	2	4	4	4	4	4	4	4	4	4	4	4	4	6	2		4	4	4	4	4	4	4	4	4	4
--Bilingual		4		4	2											4	4						4							
--Legal		4	2	4	2	4	4	4	4	4	4	4	4	4	4	4	4		4	2	4	2	4	4	4	4	4	4	4	4
--Medical/Medical Records Technician		4		4	2	4	4	4	4	4	4	4	4	4	4	4	4	4	2		4	2	4	4	4	4	4	4	4	4
--Optometrical							2																							
--Technical/Eng./Scientific/Educ.					④			4																					4	
Secretarial Science/Professional			6						6						6	6	6	6			4	4	4	4	4		⑥			
Communications																														
Advertising, Creative and/or Business		2			6			6			4	4		4	6					6	4		6	4	4	4	4	4	4	4
Animation																												6		
Applied Communications																											4			
Broadcasting, Radio									4			6		4	4															
Broadcasting, Radio and Television		4				6			6																					
Broadcasting, Television									4					4	6															
Communications Art								6					4													6				
Communications (Studio Techniques)																									6					
Editing and Book Publishing					6																									
Film Production/Cinematography		6				6	4		6			6																		
Graphic Communications				4				6																						
Journalism Print/Broadcast/General		4		4	4	6	6	6	4		4	6	4	4	4	4	6			6								4		
Media Arts																						4					4			
Photographic Arts						6		6				4																4		
Public Relations, Creative and/or Business								6				6																		
Radio and Television Arts				4		6	6									6														
Radio and Television Writing					6																									

Notes:

Figures show duration of programs in semesters (normally 2 semesters per year). In apprenticeship programs figures indicate in-college sessions of 7 or 8 weeks each.

- ① Circled programs are "new" or "pending approval" or "dormant."
 2 Overscores indicate that shorter programs are available.
 3 Underscores indicate that programs are also offered in French.
 S indicates programs of less than 2 semesters.
 □ First year only.
 ✓ underscores indicate "French only."

College	Algonquin (Ottawa)	Algonquin (Pembroke)	Cambrian (Sudbury)	Canadore (North Bay)	Centennial (Scarborough)	Conestoga (Kitchener)	Confederation (Thunder Bay)	Durham (Oshawa)	Fanshawe (London)	George Brown (Toronto)	Georgian (Barrie)	Humber (Etobicoke)	Lambton (Sarnia)	Loyalist (Belleville)	McHawk (Hamilton)	Niagara (Welland/St. Catharines)	Northern (S. Porcupine)	Northern (Kirkland Lake)	Northern (H. aybury School of Mines)	St. Clair (Windsor/Chatham)	St. Lawrence (Kingston)	St. Lawrence (Brockville)	St. Lawrence (Cornwall)	Sault (Sault Ste. Marie)	Seneca (York/North York)	Sheridan (Oakville/Brampton)	Sir S. Fleming (Peterboro/Cobourg)	Sir S. Fleming (Lindsay)
Program																												
Community Services																												
Addiction Counsellor									4																			
Arena/Ski Area Management										3																		
Behavioural Science				4				4				4	4							⑥		4						
Child Care Worker	4	4	6				4	4	4	6		4	4			4				4	4	6						
Child Studies/Nanny																										4		
Coaching—Gymnastics/Athletics																									4	4		
Community/Environmental Planning/Development	4													4												4		
Community Studies											4																	
Correctional Worker/Community Worker		4	4					4	4												4					4		
Counsellor/Special Care/Residential/Rehab./Workshop Rehab.			4					4		4											4							
Early Childhood Education/Day Worker	4	4	4	4	6		4	4	4	5	4	4	4	4	4	4			4	4	4	4	4	4	4	4	4	4
Family/Consumer Studies											4																	
Human Resources Management																					4							
Law and Security Administration	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4			2						4	4	4	
Mental Retardation Counsellor	4	4	4	4	4	4	4	4	4	4	4	4	4					4		4	4	4						
Nursery Aide/Family Day Care												2														4		
Outdoor Recreation Technician																									4			
Parks Technician																									4			
Recreation/Facilities Management/Administration	6		4	4	4	4	4	4		4	4	4	4											4	6	4		
Research Techniques			4																	4						4		
Social Services Worker	4	4	4	4	4	4	4	4		4		4		4	4	4									4	4	4	
Sports/Entertainment Administration							6																					
Food and Hospitality																												
Flight Services																									4			
Food Service Management/Supervision			4	4	4			4	4							6			4				4				4	
Historical/Natural Interpreter																									4			
Home Economics/Management/Dietary Services																											4	
Hospitality Administration and Services/Travel	4		6							4							4						4					
Hotel/Motel/Restaurant Management, Operation			4	6	6			4	4	4		6				6							4		4			
Tourism/Travel/Transportation	6		6	4	4		4			4				⑤	4			6							6	2	6	
Health (Allied)																												
Ambulance and Emergency Care	2	2	2	2	2	S	2		S	2		S	2						2	S	S	4	④	2	S	S		
Animal Health/Care																			4	6					4	2		
Bio-Medical Electronics								6																				
Bio-Medical Equipment Technician/Maintenance								2		4																		
Dental Technology/Denture Therapy										6																		
Dental Assistant/Preventive Assistant/Hygienist	5		2		2	2	4	4	4						4				2						2			
Fitness Instructor										4																		
Funeral Services + (15 months internship)										2																		
Health Care Aide	S	S			S	S	S	S	S	S	S	S	S	S	S	S			⑤	S	3					S		
Health Records Technician/Librarian	4							2							4													
Hospital Orderly						S	S																					
Life Sciences Research/Bio-Sciences			6																							4		
Medical Laboratory Technology	6	6	6			②	6			6		6		6		6		②	6	8		8	②					
Nursing (diploma—3 semesters per year)	6	6	S	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
Nursing Assistant—Post RNA (various courses)			S	S		S	S		S	S						S				S	S							

Notes:

Figures show duration of programs in semesters (normally 2 semesters per year). In apprenticeship programs figures indicate in-college sessions of 7 or 8 weeks each.

- ① Circled programs are "new" or "pending approval" or "dormant."
 2 Overscores indicate that shorter programs are available.
 3 Underscores indicate that programs are also offered in French.
 S indicates programs of less than 2 semesters.

Program	College	Algonquin (Ottawa)	Algonquin (Pembroke)	Cambrian (Sudbury)	Canadore (North Bay)	Centennial (Scarborough)	Conestoga (Kitchener)	Confederation (Thunder Bay)	Durham (Oshawa)	Fanshawe (London)	George Brown (Toronto)	Georgian (Barrie)	Humber (Etobicoke)	Lambton (Sarnia)	Loyalist (Belleville)	Mohawk (Hamilton)	Niagara (Welland/St. Catharines)	Northern (S. Porcupine)	Northern (Kirkland Lake)	Northern (Haileybury School of Mines)	St. Clair (Windsor/Chatham)	St. Lawrence (Kingston)	St. Lawrence (Brockville)	St. Lawrence (Cornwall)	Sault (Sault Ste. Marie)	Seneca (York/North York)	Sheridan (Oakville/Brampton)	Sir S. Fleming (Peterboro/Cobourg)	Sir S. Fleming (Lindsay)
Technology/Technician (General) — (continued)																													
Process Operations													2																
Process Pipe Design										4																			
Quality Control												4															2		
Survey/Aerial Survey/Hydrographic		6				6	4		6	6	4	6		4		4	6												
Stationary Engineering															2														
Technical Sales Representative												6																	
Telecommunications						6																4							
Textiles Technology															6														
Underwater Skills																									2				
Watchmaking										6																			
Welding and Fabricating										2														2				2	
Welding Specialist										2													2						
Wood Products/Design and Manufacture							①																						
Woodworker		2																											

Short Programs

Program	College	Algonquin	Cambrian	Canadore	Centennial	Conestoga	Confederation	Durham	Fanshawe	George Brown	Georgian	Humber	Lambton	Loyalist	Mohawk	Niagara	Northern	St. Clair	St. Lawrence	Sault	Seneca	Sheridan	Sir Sandford Fleming
Academic Improvement	weeks																						
Academic Upgrading — Level I	36	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	P
Academic Upgrading — Level II	24	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Academic Upgrading — Level III	32	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Academic Upgrading — Level IV	32	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
English As A Second Language	24	A	A		A	A	P		A	A	A	A	A		A	A	A	A	A	A	A	A	
English As A Second Language (Advanced)	16								A		A							A	A	A	A		
English for Provisional Tradesmen	24	A		A					A					A	P					P			
French As A Second Language	24	A																A					
Occupational English	6														P					P			
Preparation for Certificate of Qualification	10			A										A	P	A			P				
Artistic, Literary, Performing Arts and Related																							
Commercial Art	40									A				A									
Interior Design and Decorating	40																P		A				
Journalism and Newswriting	40				A																		
Screen Process Printing	40									A													
Signwriting	40									A				P									
Clerical and Related																							
Accounting Clerk	40	A	A	A	A	A		A	A	A	A	A	A	A	P	A	A	A	A	P	A	A	A
Accountancy	40																		A				
Bookkeeping Clerk	40	A		A	A	A	A	A	A	A	A	A			A		A	A	A	A	A	A	A

	College	Algonquin	Cambrian	Canadore	Centennial	Conestoga	Confederation	Durham	Fanshawe	George Brown	Georgian	Humber	Lambton	Loyalist	Mohawk	Niagara	Northern	St. Clair	St. Lawrence	Sault	Seneca	Sheridan	Sir Sandford Fleming
Program	weeks																						
Clerical and Related (continued)																							
Business Machines	12		P					P	A						P	P	A			A			A
Business Machines and Bookkeeping	40		P		A			A	A						P	P	A			A	A	P	A
Clerk-Typist	40	A	A	A	A	A		A	A	A	A	A			A	A	A	A	A	A	A	A	A
Commercial Clerical	40	A	A	A	A		A	A	A	A			A			P	P	A	A	A	A	A	A
Dicta Typist	40				A	A				A	A	A			P	P		A		A	A	A	P
Commercial Refresher	16	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Stenographer (General)	40	A	A	A	A	A	A			A	A	A	A		A	A	A	A	A	A	A	A	A
Data Entry Operator	8					A				A	A							A					P
Finance Clerk	24																						P
Hotel Front Office Procedure	20									A													
Inventory Control	24		P															P	A	A			
Insurance Clerk															P								
Legal Secretary	32		P												A			A	A	A			A
Medical Secretary	32		P												A			P	A	P			A
Medical Terminology	14		P												A					P			
Receptionist Typist	40	A			A	A					A	A											
Stenographer (Refresher)	16	A	P		A			A	A						P	P	A			A		A	A
Teller Cashier	12		A			A	A			P			A	A		A	P	P	A	A	A	P	P
Travel Counsellor	32															A							
Typing Refresher	12	A	P		A	A		A	A	A			A		A	P	P	A	A	A	A	A	A
Community Services and Related Fields																							
Certified Visiting Homemaker	12	A				A	P			A	A		A			P	P	P					P
Rehabilitation through Education										A													
Nursery Aide	16						P			A										A			P
Construction Trades																							
Building Materials Sale	40												A										
Back-hoe Operator	4									A													A
Carpenter General (Advanced)	40		P			A				A	A	A					A		P	A			A
Carpenter General (Fundamental)	8		P							A		A					P		P	A			A
Carpet Layer	16												A		A	P				P			
Construction Trades Helper	16		P	A			A	A		A	A		A	A	A		A	A	A	A			A
Dry Wall (Taper and Boarder)	8		P							A		A		A	A					P			A
Industrial Electricity	40																			P			
Industrial Maintenance Mechanic/Packaging/Assembly/Repairing	48					A				A			A		A	A		A		P		A	A
Industrial Pipe Fitter	40																P						
Masonry	20		A	A					A	A	A	A		A		A		A		A	P		A
Natural Gas Serviceman/Gas Fitter II	26										A												
Oil Burner Service	20										A										P		P
Painting and Decorating	16		P							A	A	A			A	A					A		A
Pipeline Welding	8		A																		P		A
Plumbing	40																		A				
Refrigeration and Air Conditioning	34	A									A										P		
Residential Metal Siding Installer	8		P											A							P		
Smooth Surface Floor Covering	8		P										A								P		
Steamfitting	40																				P		
Farming/Agriculture, Horticultural and Animal																							
Beef and Swine Management	5											A											
Care and Training of Standard Bred Horses	16																	A					

Program	College	Algonquin	Cambrian	Canadore	Centennial	Conestoga	Confederation	Durham	Fanshawe	George Brown	Georgian	Humber	Lambton	Loyalist	Mohawk	Niagara	Northern	St. Clair	St. Lawrence	Sault	Seneca	Sheridan	Sir Sandford Fleming
	weeks																						
Farming/Agriculture, Horticultural and Animal (continued)																							
Horticulture and Gardening	40						A												P				
Management of Farm Business	5	P	A			A				A			A					A					P
Orchard Maintenance (1)	4									A													
Orchard Maintenance (2)	4									A													
Health (Allied)																							
Dental Assistant	34					A	A	A		A					A				P				
Health Care Aide	16	A	A			A	A	A		A	A	A	A	A	A	A	A	A	A			A	P
Hospital Central Service														A									
Hospital Orderly Training	20					A		P							A				P				
Nursery Aide	16										A												
Nursing Assistant	36				A					A	A						A						
Machining and Related																							
Automatic Screw Machine Setter-Operator (Single Sp.)	40										A												
Automatic Screw Machine Setter-Operator (Multiple Sp.)	40										A				P								
Forestry Filers	40																A						
Forestry Millwright	40															A							
Furniture Mfg. Finish Machining and Sanding Operator	30																		P				
Furniture Mfg. Rough Machining and Assembly Operator	30																		P				
Lathe Operator	12							A	A		P	P	A	P									P
Machine Shop Practice	40	A	A		A	A	A	A	P	A	P	P	A	A			A	A	A	A		A	A
Metal Fabrication	40							A															A
Optical Lens Processing	36									A													
Shipyard Welding	12														P								
Steel Layout and Welding	40	P			P									A	A								
Welding Fitter	40	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A			A	
Welding Fitter Refresher	20	P				A	A	A		A	A	A		A				P				P	
Welding Operator	20	P			P	P	A	A		A	A	A		A				P					
Managerial, Administrative and Related																							
Indian Band Management I, II, III & IV	12	P			P					P						A			A				
Small Business Management				P																			
Material Handling and Related																							
Heavy Equipment Operator	12																A				A		
Loader Bulldozer Operator	4																				A		
Sideboom Operator	4																				A		
Mining and Quarrying																							
Diamond Drill Operator	15																A						
Mining Assistant	34																A						
Natural Sciences, Engineering and Mathematics																							
Blue Print Reading	8	P	P			A	A							P	P	A			A				
Blue Print Reading for Welders	16	P										P							A				
Drafting	40	A			A	A		A		A				A	A		A	A	P	A			P
Drafting, Piping	32	P										A											
Drafting Refresher	20	P				P				A								P	P				

A—Active

P—Possible

		College	Algonquin	Cambrian	Canadore	Centennial	Conestoga	Confederation	Durham	Fanshawe	George Brown	Georgian	Humber	Lambton	Loyalist	Mohawk	Niagara	Northern	St. Clair	St. Lawrence	Sault	Seneca	Sheridan	Sir Sandford Fleming	
Program	weeks																								
Natural Sciences, Engineering and Mathematics (continued)																									
Electrical Drafting	40		P																		P				
Electronic Data Processing 1, 2, 3	8									A	A								A						
Geophysical Assistant	12						P																		
Heating/Technician/Services	40	A								A															
Material Testing	40																							A	
Prospecting Techniques	14						P											A							
Quality Control	40																						A		
Survey Assistant	32									A								A		P					
Processing																									
Baking Techniques	40									A							P				P				
Butcher and Meatcutter	24					A																			
Forestry Cutters and Skidders	8																	A							
Forestry Grader and Skaler	35																	A		A			P		
Forestry Sawyer and Millwright	35																	P					P		
Logging and Small Sawmill Operator	12																						P		
Process Operations	32													A											
Retail Meat Cutting	20									A															
Skidder Operator	6						A											A						P	
Product Fabricating, Assembling and Repairing																									
Aircraft Maintenance Technician	52				A																				
Apparel Design and Pattern Drafting	32									A															
Appliance Servicing	40	A				A			P	A	A			A				A							
Automotive Upholstery Trim	8																				P				
Avionics	52				A																				
(Small) Boat Construction, Maintenance and Repair			P																						
Business Equipment Servicing	48									A															
Cable Television/Maintenance and Repair	48	P				A																			
Camera Repair Mechanic	40												A												
Custom Dressmaking and Alterations	28									A						A						P			
Cycle and Sports Repair	30																			P	P				
Diesel Electric Mechanic	40				A																	P			
Diesel Engine Mechanic	20		P		A																A				
Electrical Machine Repair																		A							
Electronics-Colour Television Upgrading	10	P								A															
Electronics-Communications	48	P				A							A										A		
Electronics-Home Entertainment	48	A	A			A	A	A	A	A	A		A	A	A	A	A	A	A	A	P	A			
Electronics-Industrial Control	48					A	P			A					A										
Fluid Power Control Mechanic	40					P																		P	
Fork Lift Vehicle Mechanic	40					A																			
Fur Business and Manufacturing Techniques/Leather and Suedes	40									A															
Furniture Mfg. Finishing/Operator	20																				P				
Furniture Refinishing and Repair	30									A															
Furniture Upholstery and Manufacturing	40						A																		
Furniture Upholstery and Repair	40						A			A											P				

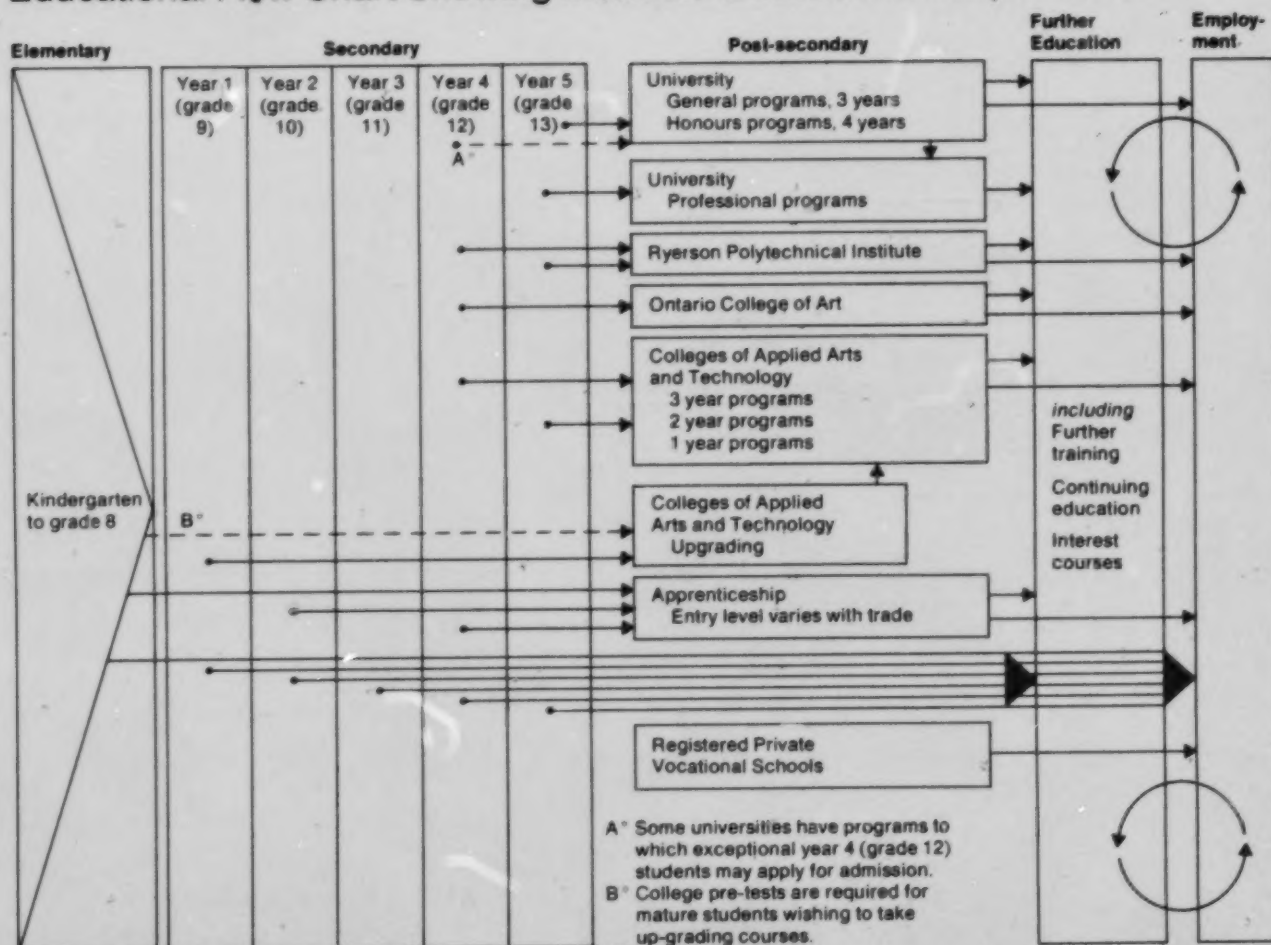
Program	weeks	College	Algonquin	Cambrian	Canadore	Centennial	Conestoga	Confederation	Durham	Fanshawe	George Brown	Georgian	Humber	Lambton	Loyalist	Mohawk	Niagara	Northern	St. Clair	St. Lawrence	Sault	Seneca	Sheridan	Sir Sandford Fleming	
Product Fabricating, Assembling and Repairing (continued)																									
Heavy Duty Equipment Mechanic	40				A		A							P				A			A			A	
Heavy Equipment Field Servicing	12													P											
Industrial Orientation	9			A						A	A	P			P	P			A	A	P			A	
Industrial Power Sewing	24									A	A									A					
Instrumentation Mechanic	40										A		A					P							
Marine and Small Powered Equipment Mechanic	40		P		A		A				A	A	A			A		P		A	P			A	
Marine and Snow Vehicle Maintenance	16		P				A							P		A					P			P	
Motor Cycle Mechanic	40				A													P			P				
Motor Vehicle Mechanic	40	A	P		A											P		P	A	A	A				
Pipefitter Improver (Shipbuilding)	10																P								
Plastic Moulding and Set Up Mechanic											A														
Sales																									
Automotive Merchandising	34				A											A			A						
Inventory Control—Autoparts Merchandising	20		P				A														A				
Retail Merchandising	16		P	A		P					P			A		A	A			A	A			P	
Retail Merchandising (Supervisor)	40																P		P	A	A			A	
Service Station Attendant	24		P	A	A											A		P		A					
Service																									
Apartment Building Superintendent	20							A																	
Bartending	15	A		A							A			A			P	A	A		P				
Camp Cook	14																	P			P				
Certified Building Custodian	14			A						A				A		A				P	P			P	
Dining Room Service	10		P			A					A	A		A		A	A	P		A	A			P	
Food Preparation, Advanced	40																P	A	A		P				
Food Preparation, Basic	20					A	A				A	A		A		A	A	A							
Food Preparation Fundamentals	10			A								A					P	A			P				
Hairdressing	40	A								P	A									A	P			P	
Hairstyling for Barbers	6		P																		P				
Hospital Food Supervisor	24																								
Hospital Porter	5																P								
Hospital Services Attendant																A									
Hospitality/Administration and Food Service	34															P									
Housekeeping Services	4			A																	A				
Protection and Security Services	30																								
Ship's Cook	24														A										
Tourist Outfitting and Guiding	14		P				P										A					P			
Teaching and Related																									
Audio Visual Specialist	40																A								
Transport Equipment Operating																									
Marine Engineer	28						A				A						A								
Marine Navigation Officer	28						A				A							A							
Master and Mate	12						A				A							A							
Tractor-Trailer Driver	4	A					P		A	A															
Truck Driver	3	P								A															

A—Active P—Possible

Program	weeks	College	Algonquin	Cambrian	Canadore	Centennial	Conestoga	Confederation	Durham	Fanshawe	George Brown	Georgian	Humber	Lambton	Loyalist	Mohawk	Niagara	Northern	St. Clair	St. Lawrence	Sault	Seneca	Sheridan	Sir Sandford Fleming	
Other Crafts and Equipment Operating																									
Film Assembly	12										A														
Graphic Arts Assistant/Camera Operator/Composition/Paste-up Reproduction/Typography	40	A									A					A									
Offset Printing	40						A				A														
Stationary Engineering	40		A					A			A					A	A			A	A				
Not Classified																									
Basic Job Readiness (BJRT)			A	A	P		A	A	A	A	A	A	A	A	A	A		A	A	A	A			A	
Flight Instructor Training	13																						A		
Laboratory Technician	40															P									
Life Skills			A	P		A			A	A				P					P	A				A	A
Orientation	3		A	A										A		P			A			P			
Job Search and Readiness	8		A					A		A		P		P							A				

A—Active P—Possible

Educational Flow Chart Showing Minimum Educational Requirements



Algonquin College of Applied Arts and Technology

Ottawa

President: L. Isabelle

Algonquin College primarily serves the Ottawa Valley. It now has campuses in Ottawa, Pembroke and Perth and operates continuing education courses throughout the Valley. Algonquin College has been officially designated as a bilingual college.

Enrolment 1976-77

Full-time 6,939

Continuing education/Extension 27,376

*Programs Offered

Ottawa Campus

Applied Arts

Three-Year Diplomas

Interior design, museum technology, recreation facilities management.

Two-Year Diplomas

Broadcasting—radio and television, child care worker, commercial art, community development, early childhood education, fine arts, fine crafts, general arts and science, horticulture and landscaping, interior design, journalism—general, law and security administration, library technician, mental retardation counsellor, recreation leadership, social service worker.

One-Year Certificate

Advertising—creative (approval pending for change to a two-year program), equine care.

Business

Three-Year Diploma

Business administration (options in accounting, data processing, general business, management studies, marketing).

Two-Year Diplomas

Business (options in accounting, data processing, marketing, retail management), finance, hospitality administration and food services, legal assistant, real estate and property management, secretarial studies (executive secretary, executive bilingual, legal secretary, legal bilingual, medical secretary, medical bilingual).

Special One-Year Certificates

Information processing, secretarial—clerical (dicta-typist and shorthand options), secretarial studies (executive, legal, medical).

One-Year Certificates

Cook training, travel consultant.

Short Program

Bartending (15 weeks).

Apprenticeship Programs

Chef, hairdresser.

Health Sciences

Three-Year Diplomas

Medical laboratory technology, respiratory technology.

Two-Year Diplomas

Nursing, dental hygiene—expanded duties (an extension of the preventive dental assistant program), health records administration.

One-Year Certificates

Ambulance and emergency care, dental assistant, preventive dental assistant (an extension of the dental assistant program).

Technology and Trades

Three-Year Diplomas

Architectural technology, biochemical technology, chemical technology, civil technology, computing science technology, electronics technology, film production, industrial engineering technology, mechanical technology, physics technology, survey technology.

Two-Year Diplomas

Architectural technician, cartography (general or photogrammetry option), construction technician, electro-mechanical drafting, electronics technician, film production, fire prevention and industrial safety, graphic arts (printing), industrial instrumentation technician, mechanical systems technician, photography, survey technician, toolmaking technician.

One-Year Certificates

Electronics service technician, graphic arts assistant (printing), machine shop, service technician (air conditioning and refrigeration, appliance, heating equipment servicing), stationary engineer, welding and fabrication.

Apprenticeship Programs

Air conditioning and refrigeration, auto body repair, carpenter (general), construction electrician, lather, motor vehicle mechanic, plumber, sheet metal mechanic.

*Programs Offered

Upper Ottawa Valley Campus

315 Pembroke Street East

Pembroke, Ontario K8A 3K2

Three-Year Diplomas

Architectural technology (first and second years only), business administration (first and second years only).

Two-Year Diplomas

Architectural technician, business, electronics technician, forestry technician, general arts and science, nursing, secretarial studies (executive).

One-Year Certificates

Forest woodworker, secretarial studies (dicta-typing and shorthand options).

Continuing Education

Most diploma and certificate programs may be taken by part-time students through the Continuing Education Division. In addition, the college offers a wide variety of courses in response to the needs of vocational, business, professional and community groups.

Further Information

For further information about admission requirements or specific programs, please contact

Director of Admissions

Algonquin College of Applied Arts and Technology

1385 Woodroffe Avenue

Ottawa, Ontario K2G 1V8

Telephone (613) 725-7432

For further information and application forms for financial assistance, consult

Financial Aid Officer

Algonquin College of Applied Arts and Technology

1385 Woodroffe Avenue

Ottawa, Ontario K2G 1V8

Telephone (613) 725-7210

Cambrian College of Applied Arts and Technology

Sudbury

President: John T. Koski

Cambrian College marks its tenth anniversary by closing its original downtown campus and moving polytechnical programs into the newest wing of the New Sudbury campus. Located on a rocky 150-acre site in the city's northeast corner, this permanent campus emphasizes flexible interior space and a pedestrian street rather than extensive corridors. Labs and studios are faced with glass so that passers-by may observe the activities taking place inside. The new wing houses technology labs, dental clinic and large lecture halls, one of which doubles as a theatre for regular student productions. The Regent Street campus which serves health sciences programs (other than dental) features a 204-bed residence, extensive laboratory and classroom facilities and a library. Numerous other sites throughout the Districts of Sudbury and Manitoulin host both full programs and individual courses.

Enrolment 1976-77

Full-time 1,494

Continuing education/Extension 12,000

Campus Locations

Most post-secondary programs are run at 1400 Barrydowne Road; health sciences programs, other than dental, are run at 885 Regent Street South.

*Programs Offered

Applied Arts

Three-Year Diplomas

Fine arts technology (art, music).

Admission Requirements: Ontario Secondary School Graduation Diploma. Students will also be expected to fulfill the following requirements: art—portfolio; music—audition.

Two-Year Diplomas

Audio-visual technician, child care worker, early childhood education, general arts and science, journalism, law clerk, law and security administration, library technician, mental retardation residential counsellor, social services.

Admission Requirements: OSSGD with additional requirements for the following programs: social services—19 years of age and interview; audio-visual technician, library technician, early childhood education, child care worker, mental retardation residential counsellor—questionnaire; law clerk—one year post-secondary experience (applicable work experience, one-year college certificate from any program, or first year of any two or three year college program).

Business

Three-Year Diplomas

Accounting, business administration, marketing, real estate administration, secretarial science.

Admission Requirements: OSSGD. Students planning to take the secretarial science program must have successfully completed a second level college secretarial option.

Two-Year Diplomas

Accounting, assessment administration, data processing, marketing, secretarial (bilingual, executive, legal, medical).

Admission Requirements: OSSGD. There are additional requirements for the following programs: bilingual secretarial—40 wpm typing, office practice and facility in the French and English languages; executive and medical secretarial—40 wpm typing and office practice; legal secretarial—40 wpm typing, 80 wpm Pitman shorthand and office practice.

One-Year Certificate

General secretarial.

Admission Requirements: OSSGD.

Technology

Three-Year Diplomas

Chemical technology, civil engineering technology, electronics engineering, environmental biology, geology engineering, metallurgy engineering, mining engineering.

Admission Requirements: OSSGD including senior level English, mathematics, chemistry and physics with a 60% average in these credits for advanced level work or 70% for general level work.

Two-Year Diplomas

Chemistry technician, civil engineering technician, electrical engineering technician, electronics engineering technician, geology engineering technician, industrial instrumentation engineering, metallurgy engineering technician, mining engineering technician.

Admission Requirements: OSSGD including senior level English and mathematics. Senior level chemistry is required for chemistry, geology and metallurgy. Physics is required for civil technician, electronics technician, electrical technician, industrial instrumentation and mining technician.

Health Sciences

Three-Year Diploma

Medical laboratory technology.

Admission Requirements: OSSGD including senior English, mathematics, chemistry, and either physics or biology, with an average of 60% in advanced level work or 70% in general level work. Interview.

Two-Year Diplomas

Dental hygiene (two semesters following a two-semester certificate program), nursing, radiography.

Admission Requirements: Nursing—OSSGD with the following recommended credits: two in mathematics and English, senior level chemistry and either senior level physics or biology, with a 60% average in these credits for advanced level work or 75% for general

level work. An aptitude test and a questionnaire are also required. Radiography—

OSSGD with four credits in science (one of which must be senior level physics), two senior advanced mathematics credits and four credits in English. An interview and a report are also required. Dental hygiene—graduation from a recognized dental assistant program or certification as a dental assistant in Ontario. An interview is also required.

One-Year Certificates

Ambulance and emergency care, dental assistant.

Admission Requirements: Ambulance and emergency care—OSSGD with two senior science credits, interview, Ontario ambulance driver's licence, physically fit. Dental assistant—OSSGD, two senior sciences (biology and chemistry recommended). An interview and a report are required.

Library

The library contains approximately 25,000 books, 1,200 periodicals and serials, 3,500 slides and microfiche, 500 films, film-strips and film loops, and 2,500 recordings, tapes and scores.

Financial Assistance

The Director of Admissions, who administers the financial assistance program at Cambrian, will have information on government assistance available to full-time and part-time students. Details on privately donated scholarships and bursaries, academic awards and emergency loans, as well as loan fund projects offered by the college, will also be available.

Counselling Services

Education and vocational counselling is available as well as interest and aptitude testing, personal, medical and group counselling, financial assistance and human growth seminars. These professional services are completely confidential.

Student Placement Service

The college maintains a comprehensive placement service designed to assist the graduating student to find related and suitable employment. Counselling on job-search techniques is available throughout the year, on an individual or group basis, from the placement offices which are situated on each campus. Assistance in finding part-time or summer employment is also offered. The Placement Office keeps business and industry aware of the capabilities of Cambrian students and encourages on-campus employment interviews. Information and brochures on various corporations are available through either office.

Living Accommodation

A modern 204-bed residence at the Regent Street Campus features single rooms clustered around kitchenette facilities. Full meal service at reduced rates is available in the adjoining hospital dining room. Frequent bus service connects the campuses. Application for accommodation should be made to the Residence Manager. A housing registry is maintained in the Registrar's Office and is available during summer and fall. While the type of accommodation and costs are recorded, the college does not inspect or certify the quality of the rooms or apartments listed. Average weekly rates for room and board may vary from \$30 to \$40, depending on the location and type of accommodation.

Sports

Cambrian College participates in the Ontario Colleges Athletic Association, in both men's and women's events scheduled by the association. Students also have the opportunity to participate in the campus intramural sports program.

In addition to these formal activities, the athletic facilities of the campus are available to students who wish to use them for more informal recreational programs. There are also excellent opportunities in the community for boating, swimming, curling, skiing, bowling, fishing and hunting.

Additional Expenses

Electrical, electronics, industrial instrumentation—\$35 for lab projects which students retain.

Audio-visual—single-lens reflex camera which costs approximately \$200, and about \$150 for supplies.

Child care, social services, mental retardation, early childhood education—living expenses for out-of-town field-placement periods and \$50 seminar fee.

Fine arts—\$75 lab fee for projects retained by the student and approximately \$150 for personal art supplies.

Medical laboratory technology—\$60 for Canadian Society of Laboratory Technologists exams.

Nursing—\$60 for R.N. exams.

Radiography—\$30 for Ontario Society of Radiological Technicians membership.

Further Information

For further information, please contact Registrar
Cambrian College of Applied Arts and Technology
1400 Barrydowne Road
Sudbury, Ontario P3A 3V8
Telephone (705) 566-8101

Canadore College of Applied Arts and Technology

North Bay

President: Murray Hewgill

Canadore College is one of Ontario's newest community colleges, but its history dates from 1967 when Cambrian College was created with campuses in North Bay, Sudbury and Sault Ste. Marie. In the summer of 1972, the North Bay Campus was separated from Cambrian to form Canadore College.

Canadore College is located in an attractive setting on the North Bay Escarpment overlooking Lake Nipissing and the City of North Bay. To provide a total community environment, food and residence services are located on the college campus.

The college offers a wide range of educational opportunities of a career-oriented nature which enable the student to achieve success in his or her chosen vocation. The college emphasizes the close relationship between the student and the teacher and provides a wide variety of modern technical equipment to enhance the learning environment.

Enrolment 1976-77

Full-time 1,004

Part-time 490

Continuing education/Extension 4,294

General Requirements for Admission

All applications for admission are reviewed by the Board of Admissions which is empowered to reject or defer the admission of any applicant whose qualifications, in the opinion of the Board, are not adequate for the demands of the program in which the applicant wishes to register. Possession of the minimum admission requirements does not guarantee admission because other factors such as space or facility limitations may effect enrolment.

The minimum admission requirements are as follows:

Applied Arts

The student requires an Ontario Secondary School Graduation Diploma or its equivalent. English at the senior level is preferred.

Business

The student requires an OSSGD or its equivalent. Mathematics and English at the senior level are preferred.

Technology

The student requires an OSSGD or its equivalent, with standing in mathematics, chemistry, physics and/or biology. The minimum admission requirement for the aircraft maintenance technician program is an OSSGD with mathematics, physics, shop and mechanical aptitude. A test is administered by the college to determine eligibility and an interview is required.

Programs Offered*Applied Arts****Two-Year Diplomas**

Crafts and design, food service supervision, general arts and science, graphic communications, journalism—print, broadcasting—radio and television, recreation leadership. Admission Requirement: OSSGD.

Business**Three-Year Diplomas**

Accounting, business administration, data processing, marketing. Admission Requirement: OSSGD.

One-Year Certificates

Secretarial arts (with dicta-typist and stenographer options), secretary (bilingual, executive, legal, medical).

Admission Requirements: OSSGD or equivalent or mature student status. Executive and legal secretarial applicants must have attained a typing speed of 40 wpm, shorthand at 80 wpm and have completed one course in office practice. Bilingual secretarial applicants must have attained a typing speed of 40 wpm and have completed one course in office practice; shorthand is not a requirement but is desirable; applicants must be fluent in both oral and written French and English. Medical secretarial applicants must have attained a typing speed of 40 wpm and completed one course in office practice; shorthand is not a requirement but is desirable.

Technology**Three-Year Diplomas**

Food science technology, medical laboratory technology.

Admission Requirements: Food science technology applicants must have an OSSGD or its equivalent, with standing in mathematics, chemistry and physics or biology at the general level of the senior division. Students possessing an Ontario Secondary School Honour Graduation Diploma with high academic standing in mathematics, chemistry and physics or biology, may be admitted to the second year.

Admission to the medical laboratory technology program is possible via two routes:

- a) OSSHGD with high academic standing in three of mathematics, chemistry, physics and biology at the advanced level of the senior division.
- b) Transfer students. Applicants should have high academic standing and have successfully completed the first year of the biological sciences technology program at Canadore College, or have an equivalent technology program from another college or university.

Biological sciences (laboratory) technology. Admission Requirements: OSSGD or equivalent, with standing in mathematics, chemistry, and physics or biology at the general level of the senior division. Students possessing these subjects at the OSSHGD level may be admitted to the second year of the program.

Two-Year Diplomas

Aircraft maintenance technician.

Admission Requirements: OSSGD. Applicants must also possess the college minimum entrance requirements, including physics and mathematics at the advanced or general level of the senior division. Interview to ascertain school study habits, previous course interest, extracurricular activities, group adjustment, work or related experience and interest in this program.

Testing:

1. Canadore Guidance and Placement Test
2. Manual Dexterity Test
3. Mechanical Aptitude Test

Avionics maintenance technician.

Admission Requirements: OSSGD including mathematics and physics at the advanced or general level of the senior division. Preference will be given to those applicants who also possess courses in electricity or electronics, drafting and calculus.

Interview to ascertain school study habits, previous course interest, extra-curricular activities, group adjustment, work or related experience and interest in this program.

Testing:

1. Canadore Guidance and Placement Test
2. Manual Dexterity Test
3. Mechanical Aptitude Test

Building construction technician.

Admission Requirements: OSSGD. Applicants must also possess the college minimum entrance requirements, including physics and mathematics at the advanced or general level of the senior division. Applicants with technical subjects (e.g. drafting, auto-mechanics, electrical machine shop) will be given preference.

Drafting Technician.

Admission Requirements: OSSGD. Preference for admission will be given to students with a background in mathematics, English, physics and drafting at the general level in years 3 and 4 (grades 11 and 12).

One-Year Certificate

Helicopter pilot.

Admission Requirements: Ordinarily a private pilot's (fixed wing) licence is required. Preference will be given to mature applicants who have living and working experience in a remote environment preferably aviation related. Consideration will be given to mature applicants who possess an Aircraft Maintenance Engineering Licence and have working experience in a remote environment. Interview to ascertain physical description, school study habits, interests and extra-curricular activities, group adjustment, work or related experience and interest in this program.

Testing:

1. Canadore Guidance and Placement Test
 2. Manual Dexterity Test
- Special Requirements: Ministry of Transport Medical Profile number, pilot's licence number and a summary of your pilot log book must accompany your application.

Health Sciences

Two-Year Diploma

Nursing.

This program is a post year 4, two-year program leading to the award of a Diploma of Nursing and, upon successful completion of the examinations set by the College of Nurses of Ontario, certification as a registered nurse.

Admission Requirements: Applicants must possess the minimum entrance requirements as well as two science credits at the advanced level. Preference will be given to students who have physics and chemistry or chemistry and biology. Credits at the advanced (superior) level of the senior division are preferred. Applicants who have biology at the advanced level in lieu of physics will be considered.

One-Year Certificates

Dental assistant, dental hygiene (with scaling), nursing assistant (psychiatric option).

Admission Requirements: For dental assistant, applicants must have OSSGD and possess the college's minimum admission requirements and chemistry, plus one of the following sciences and mathematics:

- a) biology at the advanced (superior) or general level of the senior division, or
- b) physics at the advanced (superior) or general level of the senior division and mathematics (minimum junior level). Applicants must complete a Comparative Guidance and Placement Test and a Test of Manual Dexterity.

A certificate of current dental and medical health with a tuberculin test endorsement is also required.

Only a Certified Dental Assistant or a graduate of a dental assistant program who is eligible for certification may apply for the dental hygiene (with scaling) program.

For the nursing assistant program, an OSSGD or its equivalent is preferred, however, applicants with year 2 will be considered. A Comparative Guidance and Placement Test is required. Applicants must also successfully pass a physical examination, possess a certificate of current dental health and show proof of current immunization.

Continuing Education

The college offers a wide variety of credit and non-credit courses offered in evening and daytime hours. In addition, supervisory and management development courses and courses in industrial training are available. Academic upgrading and retraining courses are also offered through the college. Other courses and programs can be arranged if sufficient interest is shown.

Library

A well stocked library serves the needs of students and faculty with a wide range of information resources. The book collection of approximately 70,000 volumes grows at a rate of about 9,000 books a year. The library subscribes to over 600 journals, periodicals and newspapers, as well as many publications of federal, provincial and foreign governments. The library is also equipped with study carrels and an extensive collection of microfilm and associated equipment which provides access to the back files of a large selection of periodical literature. Modern photo-copying equipment further facilitates the use of the library's resources and speeds the information process for library users.

Financial Assistance

The Student Awards Office on campus will have information on government financial assistance available to full-time and part-time students. The Student Awards Officer will also have details on bursaries and scholarships offered by the college. An emergency loan fund is available.

Counselling Services

The college maintains a full-time Counselling Centre with qualified counsellors to provide students with confidential assistance in their personal problems.

Career Planning and Placement

Without assuming responsibility for finding employment for graduates, the Career Planning and Placement Officer helps students to plan their careers and assists with their placement by making arrangements for them to meet prospective employers or their representatives.

Living Accommodation

The college offers townhouse apartments as residences for 300 students. Each townhouse has six single bedroom/studies with shared living room, dining area, and kitchen, all appropriately furnished.

Sports

The sports program embraces a wide variety of sports activities at both the varsity and intramural levels. The varsity hockey team and the varsity basketball team compete with other colleges in the Ontario Colleges Athletic Association.

Gymnasium

In the large six-court gymnasium students may participate in a wide range of intramural activities. Free time is made available both during the day and evening to those who wish to exercise.

Further Information

For further information on admission requirements and details about programs and facilities at Canadore College and for information and application forms for student awards and loans, please contact

Registrar
Canadore College of Applied Arts and Technology
P.O. Box 5001
North Bay, Ontario P1B 8K9
Telephone (705) 474-7600, ext. 2211, 2131, 2132, 2113, 2123

For further information and application forms for student residences, please contact

Residence Manager
College Education Centre Residence
P.O. Box 5005
North Bay, Ontario P1B 8L7
Telephone (705) 474-1550

Centennial College of Applied Arts and Technology

Scarborough

President: D.E. Light

Centennial College experienced a growth in post-secondary enrolment in excess of 10% in the 1976-77 academic year. This increase is a continuation of the situation which occurred in 1975 when a comparable figure of 15% was realized.

In September 1977, Centennial will be opening Phase I of its Progress Campus located at Markham Road and Progress Court in Scarborough. This facility will house close to 2,000 students registered in the Business and Technology Divisions of the college. As well, an excellent Learning Resource Centre will be available for these students.

When the new building opens in September, Phase I of the Progress Campus will be completed. The planning includes development of Phase II, which will be constructed in three parts: an East Wing housing the Applied Arts, the Academic and the Health Sciences Divisions; a gymnasium complex; and a West Wing to accommodate the administrative functions of the college. Already, the provincial government has approved funds to draw the plans for the gymnasium complex.

The employment rate of recent graduates from Centennial College was maintained at a very high level in spite of the difficult economic climate. This fact emphasizes the high acceptance of the college's career oriented programs by industry, business and the service segment of our society. Centennial graduates find the college's programs valuable, not only as the provision of an excellent background for a specific career, but also for the emphasis placed on the general education components which are included in every college program.

Enrolment 1976-77

Full-time 4,300

Part-time 380

Continuing education/Extension 26,282

Campus Locations

Ashtonbee Campus
75 Ashtonbee Road
Scarborough, Ontario

Progress Campus
401 and Markham Road
Scarborough, Ontario

Warden Woods Campus
651 Warden Avenue
Scarborough, Ontario

General Admission Requirements

The basic admission requirement is an Ontario Secondary School Graduation Diploma or its equivalent as determined by Centennial College.

Mature students who lack an OSSGD may apply to the college if they:

- are over the age of 19 at the beginning of the semester in which they wish to register, and
- are residents of Canada.

Applicants may be required to write Centennial College admissions tests and attend an interview, the results of which will be used as a guide to their placement in the program most appropriate to their aptitudes, experience and educational aspirations.

Foreign Students

A foreign student must meet the general admission requirements of the college before being admitted to a program. Applications from a foreign student who possesses either a visitor's or student's visa will be considered up to 30 days before the start of the semester in which the student wishes to undertake studies. All foreign students applying for admission must demonstrate English language proficiency as measured by the Test of English as a Foreign Language.

Before being permitted to complete registration, all students must have a valid student visa issued by Canadian immigration authorities. Transfer of student visa holders between colleges of applied arts and technology must be approved by a letter of recommendation from the first college to the second college.

All applications for admission must be submitted on the standard form, Application for Admission to an Ontario College of Applied Arts and Technology. Copies are not acceptable.

•Programs Offered

Academic

Three-Year Diploma

General arts and science (majors in cultural studies; humanities; mathematics, life and physical science; and social sciences).
Admission Requirement: OSSGD or equivalent.

Two-Year Diploma

General arts and science (clusters in Canadian studies, French, psychology, science studies, visual arts and women's studies; majors in cultural studies; humanities; mathematics, life and physical science; and social sciences).
Admission Requirement: OSSGD or equivalent.

One-Year Certificate

General arts and science (majors in cultural studies; humanities; mathematics, life and physical science; and social sciences).
Admission Requirement: OSSGD or equivalent.

Applied Arts

Three-Year Diploma

Communications (majors in creative advertising, journalism, radio and TV writing, industrial editing and book publishing).
Admission Requirements: OSSGD or equivalent and a satisfactory score in the English section of the California Achievement Test; a satisfactory essay of approximately 500 words in length written at Centennial College

under the supervision of the communications program faculty; and a positive recommendation after a personal interview with the Chairman of the Communications Department or his designate.

Child care worker, hospitality administration and services (majors in hotel and resort, restaurant and catering, travel and tourism).
Admission Requirements: OSSGD or equivalent and satisfactory completion of a personal suitability assessment interview given by the Applied Arts Division.

Two-Year Diplomas

Communications (major in book editing and design).

Admission Requirements: OSSGD or equivalent and a satisfactory score in the English section of the California Achievement Test; a satisfactory essay of approximately 500 words in length written at Centennial College under the supervision of the communications program faculty; and a positive recommendation after a personal interview with the Chairman of the Communications Department or his designate.

Correctional worker.

Admission Requirements: OSSGD or equivalent and satisfactory completion of a personal suitability assessment interview given by the Applied Arts Division; must be subject to the employment criteria of the Ontario Ministry of Correctional Services.

Early childhood education, recreation leadership, research technician (behavioural studies), mental retardation counsellor, social services.

Admission Requirements: OSSGD or equivalent and satisfactory completion of a personal suitability assessment interview given by the Applied Arts Division.

Fashion services, food service supervisor, travel counsellor.
Admission Requirement: OSSGD or equivalent.

Business Administration

Three-Year Diploma

Business administration (majors in accounting and financial management, general management, marketing management, manufacturing management and programmer analyst).
Admission Requirements: OSSGD or equivalent, plus a satisfactory score in the English section of the California Achievement Test.

Two-Year Diplomas

General business (majors in accounting, data processing, general management, legal assistant, marketing and urban transit operations), secretarial science (majors in executive, legal, medical).
Admission Requirements: OSSGD or equivalent as determined by Centennial College, plus a satisfactory score in the English section of the California Achievement Test.

One-Year Certificates

Computer programming.

Admission Requirements: OSSGD or equivalent, satisfactory completion of a personal suitability assessment interview and a satisfactory score on the Business Administration Division's Computer Aptitude Test.

Secretarial science (majors in executive, general, legal, medical).

Admission Requirements: OSSGD or equivalent and a satisfactory score in the English section of the California Achievement Test.

Engineering Technology

Three-Year Diplomas

Architectural technology (the third year is optional for students who have successfully completed the two-year architectural technician program).

Admission Requirements: OSSGD or equivalent, with credits in four sequential courses in mathematics at the general or advanced level (business mathematics excluded), and at least one science credit at the general or advanced level in the senior division (physics preferred).

Chemical engineering technology (option in industrial).

Admission Requirements: OSSGD or equivalent, with credits in four sequential courses in mathematics at the general or advanced level (business mathematics excluded), and one credit in chemistry and one additional credit in science (physics desirable) at the general or advanced level in the senior division.

Civil engineering technology (major in public works).

Admission Requirements: OSSGD or equivalent, with credits in four sequential courses in mathematics at the general or advanced level (business mathematics excluded), and credits in physics and chemistry at the general or advanced level in the senior division.

Electrical and electronics engineering technology (options in control systems, electrical power and electronics).

Admission Requirements: OSSGD or equivalent, with credits in four sequential courses in mathematics at the general or advanced level (business mathematics excluded), and one credit in each of physics and chemistry in the senior division at the general or advanced level.

Industrial microbiology technology.

Admission Requirements: OSSGD or equivalent, with credits in four sequential courses in mathematics at the general or advanced level (business mathematics excluded), and one credit in chemistry and one additional credit in science (biology preferred) at the general or advanced level, both in the senior division.

Mechanical engineering technology (majors in industrial/production and mechanical design).

Admission Requirements: OSSGD or equivalent, with credits in four sequential courses in mathematics at the general or advanced level (business mathematics excluded), and one credit in physics at the general or advanced level in the senior division. An additional credit in chemistry would be an advantage.

Two-Year Diplomas

Architectural technician (majors in drafting and building practices).

Admission Requirements: OSSGD or equivalent, with credits in four sequential courses in mathematics at the general or advanced level (business mathematics excluded), and at least one science credit at the general or advanced level in the senior division (physics preferred).

Chemical engineering technician (options in industrial).

Admission Requirements: OSSGD or equivalent, with credits in four sequential courses in mathematics at the general or advanced level (business mathematics excluded) and one credit in chemistry and one additional credit in science (physics desirable) at the general or advanced level in the senior division.

Engineering technician (majors in public works).

Admission Requirements: OSSGD or equivalent, with credits in four sequential courses in mathematics at the general or advanced level (business mathematics excluded), and credits in physics and chemistry at the general or advanced level in the senior division.

Electronics engineering technician.

Admission Requirements: OSSGD or equivalent, with credits in four sequential courses in mathematics at the general or advanced level (business mathematics excluded), and one credit in each of physics and chemistry in the senior division at the general or advanced level.

Industrial instrumentation technician.

Admission Requirements: OSSGD or equivalent, with credits in four sequential courses in mathematics at the general or advanced level (business mathematics excluded), and one credit in each of physics and chemistry in the senior division at the general or advanced level.

Industrial microbiology technician.

Admission Requirements: OSSGD or equivalent, with credits in four sequential courses in mathematics at the general or advanced level (business mathematics excluded), and one credit in chemistry and one additional credit in science (biology preferred) at the general or advanced level, both in the senior division.

Mechanical engineering technician (majors in industrial/production, design drafting, mechanical design).

Admission Requirements: OSSGD or equivalent, with credits in four sequential courses in mathematics at the general or advanced level (business mathematics excluded), and one credit in physics at the general or advanced level in the senior division. An additional credit in chemistry would be an advantage.

Health Sciences

Two-Year Diploma

Nursing.

Admission Requirements: OSSGD or equivalent with two credits in science at the senior level, and satisfactory completion of a personal suitability interview.

One-Year Certificate

Ambulance and emergency care.

Admission Requirements: OSSGD or equivalent, or mature student status (over 19 years of age and a resident of Canada), chauffeur's licence (Ontario); satisfactory physical examination and chest x-ray; demonstrated fluency in English; personal suitability interview.

Transportation and Industrial Power Technology

Three-Year Diploma

Fluid power technology.

Admission Requirements: OSSGD or equivalent with mathematics, English and physics at a senior level.

Two-Year Diplomas

Automotive technician.

Admission Requirements: OSSGD or equivalent, with credits in senior level mathematics, physics and automotive specialty. Applicants may be required to attend a personal suitability interview and will normally be expected to have a technical background.

Fluid power technician.

Admission Requirements: OSSGD or equivalent, with mathematics, English and physics.

Apprenticeship Programs

Alignment and brakes mechanic, auto body repairer, automotive machinist, automotive painter, boilermaker, fuel and electrical systems mechanic, heavy-duty equipment mechanic, motorcycle mechanic, motor vehicle mechanic, motor vehicle mechanic (truck/coach), service station attendant, transmission mechanic, truck-trailer repairer.

Pre-Employment Programs

Aircraft maintenance technician.

Admission Requirements: OSSGD or equivalent, with credits in mathematics and physics at a senior level.

Avionics maintenance specialists.

Admission Requirements: Ontario year 4 (grade 12) level mathematics and physics, or equivalent.

Automotive machinist, electric power production mechanic, fluid power and control mechanic, forklift mechanic, heavy-duty equipment mechanic, marine and small powered equipment mechanic, motorcycle mechanic, motor vehicle mechanic, parts merchandising, service station attendant, truck/coach mechanic, truck-trailer mechanic.

College Preparatory Programs and Academic Upgrading

Includes pre-technology (technical communication, mathematics, physics, chemistry, biology); pre-business (business communication, business mathematics, man and society, social science, typing); and pre-applied arts (communication, mathematics, man and society, social science, Canadian scene).

Continuing Education

This division offers a variety of credit and special interest courses on a part-time day or evening basis, either at the college or on the premises of schools, businesses or industrial firms.

Counselling Services

The college maintains three full-time Counselling Offices staffed by qualified counsellors to provide students confidential assistance with their personal problems.

Student Placement Service

The college operates a Job Placement Service to assist students in obtaining full-time employment on graduation and part-time employment while they are attending the college, as well as summer employment.

Student Accommodation

Accommodation for out-of-town students is not provided by the college. However, the Student Services Department attempts to assist students in obtaining off-campus accommodation by maintaining an up-to-date housing registry.

Leisure Education

The college's Leisure Education Department provides organized programs, intercollegiate athletics, intramural athletics, sports clubs and leisure education programs.

Financial Assistance

The Student Awards Office at Centennial College will be able to provide information on government assistance available to full-time and part-time students. The Student Awards Officer will also have details on bursaries and scholarships offered by the college, as well as information on a revolving loan fund.

Further Information

For further information on admission requirements and college facilities, please consult

Admissions Office
Centennial College of Applied Arts and Technology
651 Warden Avenue
Scarborough, Ontario M1L 3Z6
Telephone (416) 694-3241

For further information and application forms for student awards, please consult

Student Awards Officer
Centennial College of Applied Arts and Technology
651 Warden Avenue
Scarborough, Ontario M1L 3Z6
Telephone (416) 694-3241

Conestoga College of Applied Arts and Technology

Kitchener

President: Kenneth E. Hunter

Conestoga College serves the exciting and rapidly growing communities in the Regional Municipality of Waterloo, and in Wellington, Perth and Huron Counties.

Within this 3,670 square mile midwestern Ontario region, the college provides a stimulating selection of post-secondary educational opportunities specifically designed to respond to area business and community needs and interests.

Two post-secondary programs, woodworking: design and manufacture, and materials management are unique in Ontario.

The college emphasizes preparation of the student for employment in his or her field, be it business, technology, health sciences, arts or community services, while at the same time providing the opportunity for stimulating personal development.

Conestoga College campuses are located in Cambridge, Clinton, Doon (Kitchener), Guelph, Stratford and Waterloo. Post-secondary programs are offered at Doon, Guelph and Stratford. Manpower training programs and part-time studies are offered at all campuses. Part-time courses are also offered in Harriston. Apprenticeship programs are available at the Doon and Guelph campuses, while part-time programs are offered at Waterloo.

Enrolment 1976-77

Full-time 3,358
Continuing education/Extension 14,012

•Programs Offered

Applied Arts

Three-Year Diplomas

Broadcasting (radio and television), design (3-D and graphic options), film production, journalism (print), photography.
Admission Requirements: OSSGD. Applicants should have successfully completed secondary school year 4 English. An interview and the submission of a portfolio of creative work are required by the broadcasting (radio and television), design (3-D and graphic options), film production and photography programs. Aptitude tests are required for the broadcasting (radio and television) program. An interview may be required for the journalism (print) program.

Two-Year Diplomas

Criminology and law enforcement, early childhood education, food and beverage management, general arts and science, recreation leadership, social services, graphic technician.

Admission Requirements: OSSGD. Applicants should have successfully completed secondary school year 4 English. An interview and/or a questionnaire may be required. Applicants must meet the medical criteria established for the early childhood education, and food and beverage management programs. Applicants for the social services program should be at least 19 years of age, by August 31. The submission of a portfolio of creative work is required for the graphic technician program. An aptitude test may also be required.

Business

Three-Year Diplomas

Business administration (accounting, data processing, marketing), materials management.

Admission Requirements: OSSGD. Applicants should have successfully completed secondary school year 4 English and mathematics.

Two-Year Diplomas

Business (accounting and data processing), secretarial arts (executive, legal, medical).

Admission Requirements: Business programs—OSSGD; applicants should have successfully completed secondary school year 4 English and mathematics. Secretarial programs—OSSGD; applicants should have successfully completed secondary school year 4 English; applicants with a typing speed of 40 wpm and a shorthand speed of 80 wpm will be considered for direct entry into the second year of the secretarial programs.

One-Year Certificate

Secretarial optometrical.

Admission Requirements: OSSGD. Applicants should have successfully completed secondary school year 4 English. An interview is required.

Technology

Three-Year Diplomas

Air and water resources engineering technology, civil engineering technology, construction engineering technology, electrical engineering technology, electronic engineering technology (telecommunications and computer systems options), mechanical engineering technology.

Admission Requirements: OSSGD. Applicants should have successfully completed secondary school year 4 mathematics, year 3 or 4 physics and year 3 English.

Two-Year Diplomas

Electrical engineering technician, electronic engineering technician, fluid power technician, mechanical drafting engineering technician, welding technician, woodworking: design and manufacture.

Admission Requirements: OSSGD. Applicants for the electrical, electronic and mechanical drafting programs should have successfully completed year 4 mathematics, year 3 or 4 physics and year 3 English. Applicants with less than an OSSGD will be considered for year 1 of the woodworking: design and manufacture program if the local board of education makes special arrangements with the college.

One-Year Certificate

Basic industrial engineering techniques.
Admission Requirements: OSSGD.

Health Sciences**Two-Year Diploma****Nursing.**

The program leads to the award of a Diploma of Nursing, and upon successful completion of the examinations set by the College of Nurses of Ontario, certification as a registered nurse.

Admission Requirements: OSSGD. Applicants must have successfully completed two year 3 or 4 science courses (biology, chemistry, physics). For successful achievement in the program, it is desirable that the applicant have a background and aptitude for the sciences of biology, chemistry and physics, along with oral and written English, basic mathematics and communications skills. Study in these subjects should be part of a student's preparation for nursing. Applicants must meet the medical criteria established for the nursing program. A questionnaire and an interview are required.

One-Year Certificate

Ambulance and emergency care.

Admission Requirements: OSSGD. Applicants must possess an Ontario chauffeur's licence and meet the medical criteria established for the ambulance and emergency care program. An interview is required.

Retraining

Conestoga College offers a number of certificate programs that vary in length from 12 to 48 weeks. Details of these programs are available from the Careers Assistance Advisor.

Apprenticeship

Electrical construction, machinist-tool and die, motor vehicle mechanic, plumbing, sheet metal.

Admission Requirements: As specified by the Industrial Training Branch, Ministry of Colleges and Universities.

Resources for Learning

The college provides a wide range of learning resources to complement and extend the opportunities for learning beyond classrooms, laboratories and shops. Library and audio-visual services are extensive. Provision is made for students to learn first hand in actual occupational situations.

Financial Assistance

The Student Awards Office of Conestoga College will have information on government assistance available to full-time and part-time students. The Student Awards Officer will also have details of bursaries and scholarships offered by the college.

Counselling Services

The college maintains a Counselling Centre with qualified counsellors to provide students with confidential assistance in their personal problems and in career planning.

Student Placement Services

A student placement service is available to assist students in obtaining employment upon graduation and also in obtaining part-time employment.

Living Accommodation

Residence accommodation is not available at the college. However, rooming and/or boarding facilities are readily available in the area.

Mature Students

Conestoga College will consider for admission to post-secondary programs all applicants who lack the academic requirements but who produce evidence of ability to complete the program. Such students are accepted under the mature student clause and must be 19 years of age or older.

Sports

The athletics program at the college allows participants to become involved in many different types of activities. Golf, chess, fencing, volleyball, bowling, skiing and curling are some of the programs designed to meet the recreational needs of the students.

Further Information

For additional information, please contact
Careers Assistance Advisor
Conestoga College of Applied Arts and Technology
299 Doon Valley Drive
Kitchener, Ontario N2G 4M4
Telephone (519) 653-2511 ext. 297

Confederation College of Applied Arts and Technology

Thunder Bay

President: B.E. Curtis

Situated on a 175-acre campus in Thunder Bay with numerous satellite locations throughout northwestern Ontario, Confederation College continues to expand its services. Forty-three programs and options are available to post-secondary students. In addition, more than 30 manpower programs are offered in Thunder Bay, Fort Frances, Kenora, Dryden and several other locations each year, meeting the needs and interests of the communities.

Enrolment 1976-77 (approximate)

Full-time 1,300

Continuing education/Extension 8,000

General Admission Requirements

Students wishing to enrol in one, two or three-year programs offered at Confederation College must have an Ontario Secondary School Graduation Diploma with English in years 3 and 4. Applicants who are 19 years of age on or before the date of commencement of classes will be considered for admission as mature students. Programs with admission requirements in addition to an OSSGD are noted in parenthesis below. Please consult the current college calendar for up-to-date admission requirements.

Applied Arts and Health Sciences**Two-Year Diplomas**

Broadcasting—radio and TV; dental hygiene (interview; certification which follows completion of one-year dental assistant program; one year in length following dental assistant program; offered in alternating years with the dental assistant program; starting in 1977); early childhood education; film production; general arts and science; law and security; mental retardation counsellor; nursing (interview, letters of reference, two different credits in senior division science—biology, chemistry and physics are recommended); radiological technician (interview, two math credits at the advanced level from year 3 and/or 4, two English or French credits taken at the general or advanced level from year 3 and/or 4, four science credits taken at the general or advanced level one of which will be year 3 physics); recreational leadership (interview, letters of reference and Supplemental Application Form); social services (interview, letters of reference and Supplemental Application Form).

One-Year Certificates

Dental assistant (interview, year 4 chemistry; offered in alternating years with the dental hygiene program, commencing in 1978); law and security.

Business Division**Three-Year Diplomas**

Business data processing, industrial relations. Admission to both programs is based on successful completion of the two-year diploma requirement.

Two-Year Diplomas

Business data processing systems (year 4 mathematics); general business with options in accounting management, administrative management, marketing and sales management; hotel management; industrial relations-personnel; secretarial-executive, legal, medical (successful completion of secretarial arts certificate program); travel tourism administration.

One-Year Certificate

Executive secretarial (40 wpm typing, 80 wpm symbol shorthand); legal secretarial (40 wpm typing, 80 wpm symbol shorthand, or legal machine transcription test in lieu of shorthand); medical secretarial (40 wpm typing); secretarial arts.

Technology Division**Three-Year Diplomas**

Architectural engineering technology; civil engineering technology (year 4 mathematics, year 3 physics and year 4 chemistry with a 70% average if subjects taken at level 4, a 60% average if subjects taken at level 5. Direct entry will be given to the second year of the program for students with an Ontario Secondary School Honour Graduation Diploma which includes English and mathematics A, B, C, physics and chemistry).

Two-Year Diplomas

All programs listed below require year 4 mathematics in addition to an OSSGD. Aircraft maintenance technician, architectural engineering technician, aviation management (medical examination and interview), avionics maintenance technician, electrical technician, electronics technician, interior design (interview and portfolio), mechanical engineering technician, survey technician.

Apprenticeship

Automotive, carpentry, electrical.

Manpower Programs

Manpower upgrading, clerical and stenographic courses are offered, plus a number of skill programs such as: cutter and skidder, electronics-home entertainment, heavy-duty equipment mechanic, hospital orderly, marine and small powered equipment mechanic, health care aide, welder fitter.

Resource Centre

The College Resource Centre provides an efficient service to students, faculty and staff. Printed and audio-visual reference material pertaining to all programs is available.

Financial Assistance

The Student Awards Office of Confederation College will have information on government assistance available to full-time and part-time students. The Student Awards Officer will also have details on bursaries and scholarships offered by the college.

Counselling Services

The college maintains a full-time counselling centre with qualified counsellors to provide students with confidential assistance in solving their personal problems.

Student Placement Services

A full-time Student Placement Officer is available to assist students in obtaining employment upon graduation and in obtaining part-time employment.

Living Accommodation

Residence accommodation may be available at the college. In addition, rooming and/or boarding facilities are available in the area.

Further Information

For further information on admission requirements and details about programs and facilities, please contact Mr. Joseph A. St. Amand
Admissions Officer-Post-secondary Programs

Mr. John Zurba

Admissions Office-Manpower Programs

Mr. R. Armstrong

Placement Officer

Mr. Barry Hanna

Student Awards Officer

Confederation College of Applied Arts and Technology
P.O. Box 398

Thunder Bay, Ontario P7C 4W1

Telephone (807) 577-5751

Durham College of Applied Arts and Technology

Oshawa

President: G.E. Willey

Durham College is located just inside the northern city limits of the City of Oshawa. The modern campus offers attractive rural surroundings set on 132 acres over-looking a proposed conservation area and lake.

Durham College occupies a modern three-storey building with excellent resources for academic study and practical learning, as well as recreational facilities including squash courts, an indoor track, fitness facilities and a double gymnasium.

Durham emphasizes the relationship between student and teacher with an inter-personal approach to all learning. Courses are designed to prepare the student for employment. Durham College offers a wide selection of programs, including the following unique programs: air transport technology (three years), industrial administration (three years), legal office administration (three years), sports and entertainment administration (two years with third year optional). In addition, continuing education and academic upgrading programs are offered throughout the year.

Enrolment 1976-77

Full-time 1,150

Continuing education/Extension 7,000

•Programs Offered**Applied Arts****Two-Year Diplomas (with optional third year)**

Administrative arts (public or personnel administration, sports and entertainment administration), communications/graphics/design arts (advertising, design arts, graphic communications, journalism/public relations), design arts (option in industrial and interior design or graphics).

Admission Requirements: Ontario Secondary School Graduation Diploma or equivalent.

Year 4 English recommended. Year 4 mathematics also recommended for administrative arts and design arts.

Business**Three-Year Diplomas**

Business administration (data processing, finance and accounting, general, industrial administration, marketing), legal office administration, secretarial science.

Admission Requirements: OSSGD. Year 4 mathematics and English recommended.

Students wishing to take the three-year program should be aware that it is considerably more demanding in academic terms (particularly in mathematics) than the two-year program.

Two-Year Diplomas

General business (data processing, finance and accounting, general, marketing), secretarial science.

Admission Requirements: OSSGD from any general or advanced course, preferably with year 4 English. Year 4 mathematics is preferred for general business.

One-Year Certificates

Business; engineering; secretarial—legal, medical, general.

Technology

Three-Year Diplomas

Air transport, chemical, computer, electronic and mechanical technology.

Admission Requirements: OSSGD.

Applicants interested in the three-year engineering technology programs should be aware that these are more demanding than the two-year programs. It is recommended that those contemplating a three-year technology program have English, physics, chemistry and, especially, year 4 mathematics. Subjects such as biology, computer science, drafting, electronics, environmental studies, technical report writing, etc., may also provide an adequate background. Applicants who have year 5 credits in English, physics, chemistry, algebra and either calculus or functions and relations will be considered for direct entry into the second year of this program.

Food and drug technology.

This program trains people to work in the food and drug industry where they will help maintain a high calibre of production standards, as established by government regulations. Graduates of this program will find themselves responsible positions which offer excellent remuneration and working conditions.

Admission Requirements: OSSGD, preferably with credits in biology, chemistry and mathematics.

Medical lab technology.

Durham College is offering the first year of this three-year program. Successful students will, upon acceptance, complete the second year of the program at the Toronto Institute of Medical Technology, 222 St. Patrick Street, Toronto. The third year of the program will be primarily clinical with supervised teaching laboratory experience being given in local hospital laboratories. The first year of this program is common to the food and drug technology program. Consequently, the students in either food and drug technology or medical lab technology have one year in which to make the decision of their future career. Only a limited number of applicants can be accepted for medical lab technology because of the restricted enrolment at the Toronto Institute of Medical Technology. Students wishing to attend the institute will be interviewed before being accepted.

Admission Requirements: OSSGD, preferably with credits in biology, chemistry and mathematics.

Two-Year Diplomas

Civil, computer, electronic and mechanical.

Admission Requirements: OSSGD. Mathematics would be an advantage to students entering these programs. Students who have taken electrical/electronic subjects or mechanical/drafting subjects in any year of high school will find these studies a decided asset in the appropriate two-year program. However, a general academic background, coupled with a strong desire to succeed in the technical field of your choice, can be an even greater asset.

One-Year Certificate

Applied machine shop welding.

A 40-week program of intensive theory and practice. If students prefer, they may continue their studies in the second year of the mechanical techniques program and obtain a diploma.

Admission Requirement: OSSGD.

Health Sciences

Nursing.

The two-year program leads to a Diploma of Nursing and, upon successful completion of the examinations set by the College of Nurses of Ontario, certification as a registered nurse.

Admission Requirements: OSSGD with successful completion of one full year of study in each of two different credit courses in science. Acceptable sciences are chemistry and one of physics or biology.

Nursing assistant.

The program leads to a Nursing Assistant Certificate and, upon successful completion of the examinations set by the College of Nurses of Ontario, certification as a registered nursing assistant.

Admission Requirements: OSSGD. Mature students whose work experience and personal background indicate a likelihood of success are encouraged to apply.

Dental assistant.

This program is designed to prepare skilled assistants for employment in dental offices and clinics. After serving a one-year in-service training period in a dental office, graduates of this program will be eligible for certification by the Royal College of Dental Surgeons.

Admission Requirements: OSSGD. Students with chemistry and biology given preference. A personal interview is required for all selected applicants.

Dental hygiene.

This program is designed to train students to the level that will qualify them to write the Royal College of Dental Surgeons registration examination for hygienists. Admission Requirements: Satisfactory completion of the one-year dental assistant program. Admission may be limited by quota.

Continuing Education

Classes are offered to adults in the community who wish to work toward certificates or diplomas during the day or evening, throughout the year. In addition, an interesting variety of non-credit, special-interest courses is also offered.

Adult Training

Durham College offers academic upgrading, college preparatory and skill courses as well as special courses for business and industry.

Summer Programs

Durham's spring-summer program offers continuing education courses in such fields as advertising and sales promotion, business law, business mathematics and statistics, business organization, computer science, economics, introductory data processing, management strategies, marketing, programming 1, and systems and procedures.

Courses are also offered in human resources management, nursing administration and secretarial development, as well as a number of general interest courses.

Financial Assistance

The Student Awards Office, located on the campus of Durham College, will have information on government assistance available to full-time and part-time students. The Student Awards Officer will also have details on bursaries and scholarships offered by the college.

Student Placement Services

A full-time Student Placement Officer is available to assist students in obtaining employment upon graduation and in obtaining part-time employment.

Living Accommodation

Residence is not available on campus. The college maintains a list of clean, comfortable lodgings available in the community. Average cost of room and board is \$30-\$40 per week.

Further Information

For further information about admission requirements and details about programs and facilities, please contact Admissions Officer

Durham College of Applied Arts and Technology
P.O. Box 385
Simcoe Street North
Oshawa, Ontario L1H 7L7

For information about student awards and loans, please contact

Student Awards Officer
Durham College of Applied Arts and Technology
P.O. Box 385
Simcoe Street North
Oshawa, Ontario L1H 7L7

Telephone (416) 576-0210

Fanshawe College of Applied Arts and Technology

London

President: J.A. Colvin

Fanshawe College serves the four counties of Middlesex, Elgin, Oxford and Norfolk. Within this area, the college provides post-secondary educational opportunities and relates closely to the needs and desires of the community.

The Fanshawe College main campus is located on a 15-acre site in the northeast section of London. Continuing education programs are offered in London and in other locations where local schools and other existing community facilities are utilized. The college is also responsible for the adult training programs at locations in London, St. Thomas and Port Dover.

Fanshawe enrolled its first students in September 1967. From an initial registration of 800 full-time students, enrolment has grown to 5,000 full-time students in 1976.

Enrolment 1976-77

Full-time 5,000

Continuing education/Extension 28,000

Campus Locations

In addition to the main campus in London, Fanshawe College maintains branches in Woodstock, Simcoe and Port Dover, which offer full-time and part-time courses. Nursing education programs are also offered in London, St. Thomas and Woodstock.

General Admission Requirements

The general admission requirement is an Ontario Secondary School Graduation Diploma or its equivalent, with modification for certain programs. Applications based on equivalent standing from other provinces or countries will be considered. Applications from mature students at least 19 years of age with marginal qualifications will be considered individually.

•Programs Offered

Co-operative education (co-op) is explained following this section.

Applied Arts

Three-Year Programs

Advertising art, fashion design (co-op), fine art (environmental, film, painting, printmaking), graphic design (co-op), industrial design (co-op), interior decoration (co-op), interior design (co-op), landscape design (co-op), music industry arts (recording engineering, recorded music production), photography, urban design (co-op).

Two-Year Programs

Audio-visual technician, broadcast journalism, hotel and restaurant and catering management, photography, radio broadcasting, television broadcasting.

Arts and Science

Three-Year Programs

Air-water resources field technology (co-op), science laboratory technology (co-op).

Two-Year Programs

Behavioural sciences (counsellor for the deaf and the blind, mental health worker), child care worker, early childhood teacher education, general arts and science program, law and security administration, legal office administration (co-op), library technician, mental retardation counsellor, recreation leadership, social service worker, tourism and travel counsellor, urban affairs and real estate (assessment, mortgage, municipal administration).

One-Year Programs

Community mental health, legal office administration.

Business

Three-Year Programs

Business administration, business information systems (co-op), professional secretarial (co-op).

Two-Year Programs

Accounting (co-op), business data processing (co-op), general business (co-op), marketing (co-op), secretarial-executive, legal, medical.

One-Year Program

Secretarial arts.

Community Services

Two-Year Program

Farm business management.

Health Sciences

Three-Year Program

Medical laboratory technology.

Two-Year Programs

Diploma nursing, preventive dental assistant, radiological technology, respiratory technology.

One-Year Programs

Ambulance and emergency care, dental assistant, health care aide/hospital orderly, health records technician, nursing assistant, pre-health science.

Technology

Three-Year Programs

Architectural technology (co-op); civil engineering technology-municipal, structural (co-op); construction technology (co-op); control systems technology; electrical engineering technology; electronics engineering technology; heating, refrigeration and air conditioning engineering technology; manufacturing engineering technology (co-op); mechanical engineering technology-mobile equipment (co-op); survey technology.

Two-Year Programs

Architectural technician, civil drafting engineering technician, construction technician, electrical engineering technician, electronics engineering technician, manufacturing engineering technician (co-op), mechanical (design) engineering technician (co-op), mechanical engineering technician (mobile

equipment) service engineering (co-op), metallurgical engineering technician (co-op), motive power technician-automotive and diesel, refrigeration and air conditioning engineering technician, survey technician.

One-Year Programs

Biomedical electronics-post-graduate (co-op), broadcast technician-post-graduate, motive power management technician-post-graduate, motive power parts technician.

Co-operative Education

Several Fanshawe programs are operated on the co-operative education (co-op) plan. This plan integrates related on-the-job work experience with classroom theory during alternating periods of work and study. Such a system helps students orient themselves to the world of work and earn while learning, helps them develop their human relations skills and job-search techniques, and usually results in a well developed career plan before graduation. Further information is available from the Co-operative Education Division at the college.

Community Services

Community Services offers a community-oriented program and provides continuing education for adults in London and in 22 other locations served by the college. Credit, special interest and co-operative courses are offered. The regular Fanshawe College diploma, as awarded to full-time students, can be obtained through the Community Services continuing education program. In addition, Community Services is responsible for the adult training program.

Adult Training Division

Through its adult education centres, the adult training program offers academic upgrading courses and skill training courses to adults who have not had the opportunity to reach their full employment potential.

Adult training information is available at

170 Dundas Street East
London, Ontario N6A 1G9
Telephone (519) 438-5181

297 Adelaide Street South
London, Ontario N5Z 3K7
Telephone (519) 433-6611

St. George Street
Port Dover, Ontario N0A 1N0
Telephone (519) 583-2110

10 Ontario Road
St. Thomas, Ontario N5P 3N4
Telephone (519) 633-2030

Apprenticeship Programs

Apprentices (within trades regulated by the Industrial Training Branch of the Ontario Ministry of Colleges and Universities) can be directed to Fanshawe College for part of their training. Apprentice students receive a combination of on-the-job and in-college training. The length and frequency of in-college sessions will vary but, for most of the trades, the college program is divided into a basic session of eight weeks with subsequent intermediate and advanced sessions of seven weeks each.

Fanshawe College provides programs for the following apprenticeship trades: auto body repair, electrical (construction and maintenance), farm equipment mechanic, hairdressing, machinist, motor vehicle mechanic, plumbing, sheet metal, tool and die.

Entry to these apprenticeship classes is restricted to those apprentices directed to the college by the Industrial Training Branch of the Ontario Ministry of Colleges and Universities.

Inquiries regarding apprenticeship programs should be sent to the nearest Industrial Training Branch District Office or the Industrial Training Branch, Ministry of Colleges and Universities, Mowat Block, 10th Floor, Queen's Park, Toronto, Ontario M7A 2B5.

Library

The college library contains over 28,000 volumes, in addition to an up-to-date supply of magazines, periodicals and other reference materials.

Financial Assistance

The Student Awards Office of Fanshawe College will have information on government assistance available to full-time and part-time students. The Student Awards Officer will also have details of bursaries and scholarships offered by the college.

Counselling Service

Students are invited to discuss their academic, career or personal concerns with one of the college counsellors. Students may also find the answers to some of their questions in the discussion groups led by counsellors. A career counselling-testing program is offered free of charge to students who need assistance in determining their vocational goals.

Student Placement Service

The college operates a student placement service on a year-round basis. The functions of the placement office include liaison with employers, on-campus recruiting by employers, career counselling, labour market information (including a Job Information Centre), job search advice, assistance in finding summer employment for undergraduates and placement assistance to alumni. A file is maintained in the placement office for each graduating student. Students interested in finding employment work with the personnel in the placement office during their final college year.

An on-campus recruiting program is conducted from January through April when employers visit the college to interview students. Interviews are also arranged at the employers' premises.

Student Housing

The college does not offer its students accommodation in college residences. It does, however, provide a registry through which students obtain accommodation in homes and apartment buildings in the city of London. Inquiries should be addressed to the Off-Campus Housing Service, located in the Student Services Office.

Athletic Program

Fanshawe College participates in and is a full member of the Ontario Colleges Athletic Association. The major sports program includes volleyball, basketball and hockey for men, and volleyball and basketball for women. Other varsity sports include golf, cross-country, tennis, badminton, curling, table tennis, judo and ten-pin bowling, many of which are co-recreational activities. The varsity sports program is subsidized by the student union budget. All students are eligible to participate in the program.

Further Information

Further information may be obtained by writing to

Fanshawe College
P.O. Box 4005
London, Ontario N5W 5H1
Telephone (519) 451-7270

or by contacting offices of the college at any of the following Fanshawe College locations:
1460 Oxford Street East
London, Ontario N5V 1W4
Telephone (519) 451-7270

486 Dundas Street
Woodstock, Ontario N4S 1C3
Telephone (519) 537-6051

56 Norfolk North
Simcoe, Ontario N3Y 2W1
Telephone (519) 428-0580

George Brown College of Applied Arts and Technology

Toronto

President: Clifford C. Lloyd

George Brown College of Applied Arts and Technology was founded in 1968 to serve the education needs of the City of Toronto. From the outset its primary objective has been to train people for employment.

The men and women of today are facing challenges unheard of by previous generations. To meet these challenges, the college offers training for occupational mobility. Courses are up-to-date and apply new materials, new techniques and new developments. The college operates nine campuses, five of which are nursing campuses, and offers nearly 200 programs to prospective students.

Enrolment

The college operates a wide variety of programs of varying lengths and some on a two-shift basis. Many programs have a continuous intake and output with students enrolling and graduating weekly. In addition there are large numbers of part-time students taking courses which start and stop several times throughout the year. In the current school year the number of students registered at the college will be in excess of 40,000.

Campus Locations

Casa Loma Campus
160 Kendal Avenue
Principal: B. Beetles

College Street Campus
507 College Street
Principal: R. Santin

Kensington Campus
21 Nassau Street
Principal: R. Gwilliam

St. James Campus
200 King Street East
Principal: W. Frye

Nightingale Campus
2 Murray Street
Director: H. Yamashita

St. Michael's Hospital Campus
35 Shuter Street
Director: M. Komlos

St. Joseph's Hospital Campus
50 Sunnyside Avenue
Director: M. Gobbi

Toronto General Hospital Campus
90 Gerrard Street West
Director: P. Stanojevic

Toronto Western Hospital Campus
399 Bathurst Street
Director: P. Morley

General Admission Requirements

Except where otherwise noted, the minimum requirement for entry into post-secondary programs is an Ontario Secondary School Graduation Diploma or its equivalent. Admission requirements for short programs vary with the program: many require less than year 4 of secondary school. A student 19 years of age or over may be admitted as a mature student into any program.

Programs Offered*Architectural Technology***Post-Secondary Programs*

Air conditioning technician, civil engineering technician, construction technician, drafting technician (architectural general, mechanical services or structural), mechanical drafting design technician, survey technician, survey technician, tool and die design technician.

Short Programs

Appliance servicing, carpentry general, drafting, drafting refresher, gas fitter, heating technician, masonry, oil burner servicing, process piping drafting, refrigeration and air conditioning, stationary engineering, survey assistant.

Business and Commerce*Post-Secondary Programs*

Accounting, business administration, court reporting, electronic data processing, general business, insurance, marketing, physical distribution, property standards officer, residential construction management, residential property management, sales, secretarial science (general executive, legal or medical).

Short Programs

Accounting clerk, bookkeeping clerk, clerk-typist, commercial dicta-typist, commercial refresher, commercial stenographic, data entry operator.

Community Services*Post-Secondary Programs*

Addiction counsellor, child care worker, community worker, day care worker.

Short Programs

Basic job readiness, health care aide, industrial orientation, nursery aide.

Dental Arts*Post-Secondary Programs*

Dental assisting, dental hygiene, dental technician, denture therapy, orthotic/prosthetics.

Electro-Mechanical*Post-Secondary Programs*

Acoustics technician, electrical design technician, electrical technician, electrical technologist, electronics technician, electronics technologist, industrial instrumentation technician, industrial instrumentation technologist, toolmaking technician, welding specialist.

Short Programs

Business equipment servicing, electronics general (home entertainment), industrial electronics controls, industrial instrumentation mechanic, lathe operator, machine shop practice, welder fitter, welding operator.

Fashion Technology*Post-Secondary Programs*

Apparel management, creative fashion design, furniture production and design, jewelry arts, watchmaking.

Short Programs

Apparel pattern drafting and styling, custom dressmaking and alterations, fur and leather and suede, furniture refinishing and repair, industrial power sewing.

Food Technology*Post-Secondary Programs*

Culinary management, food and beverage management, hotel management.

Short Programs

Baking pre-employment, bartending, chef training pre-employment, cook training, dining room service, hotel front office and reception, retail meat cutting.

Graphic Arts*Post-Secondary Programs*

Graphic arts (printing technician), graphic design technician.

Short Programs

Commercial art, film assembly, offset printing, photo composition, photo reproduction, screen printing, signwriting.

Nursing*Post-Secondary Program*

Diploma nursing.

Short Programs

Critical care, graduate nurse upgrading, long term care, neo-natal intensive care, operating room, rehabilitation nursing.

Performing Arts*Post-Secondary Program*

Theatre arts.

Physical Education*Post-Secondary Program*

Fitness instructor.

Other Skill Programs

Commercial vehicle driving, English as a second language, tractor-trailer driver.

Apprenticeship Programs (two to five years)

Air conditioning and refrigeration worker, baker, barber, brick and stone mason, carpenter, cement mason, chef, electrician, electronics mechanic, glazier and metal mechanic, hairdresser, ironworker, lather, machinist, millwright, plasterer, plumber, radio and TV service technician, retail meat cutter, sheet metal worker, sprinkler and fire protection installer, steamfitter, toolmaker, watch repairer.

Part-Time Courses

The college offers several hundred part-time courses not only in the evening but, in many cases, during the day. They are designed to cater to the individual student by providing part-time instruction at hours that are convenient to him or her. A part-time course calendar is available on request from the college.

Library

A library is located on each campus. The aim of the library is to provide a carefully chosen collection of material related to the growing range and complexity of college programs. Such materials include a selection of books, periodicals and reference journals, as well as magazines.

Students are encouraged to use the up-to-date vertical file which contains pamphlets and clippings on a variety of subjects of interest to students.

Each library is staffed by library technicians with a professional librarian responsible for the administration and implementation of library policies.

Financial Assistance

The Student Awards Office of George Brown College will have information on government assistance available to full-time and part-time students. The Student Awards Officer will also have details of bursaries and scholarships offered by the college.

Counselling Services

Counselling services are provided on each campus. Counsellors are available at any time during school hours to meet with any student on a voluntary basis. They are competent to provide educational, vocational or personal counselling. Discussions are informal, confidential and supportive of the student. For further information contact the Counselling Centre at any campus, or telephone (416) 967-1212.

Placement

Placement assistance is provided to all students by divisional faculty and staff. The Placement Office provides career planning and employment search information and maintains contact with potential employers on behalf of graduates.

Living Accommodation

Information on living accommodation is available by calling (416) 967-1212. Although residence accommodation is not provided by the college there is no shortage of rooming facilities in Toronto.

Health Centre

Each campus Health Centre is staffed by registered nurses, with a physician available for consultation on an appointment basis. Students are requested to complete a health history form, and medical examinations are required for admission to some programs.

Athletics

Athletics is a program in which every student is eligible to participate. The Athletic Director operates an intramural program of interclass competitions involving touch football, floor hockey, basketball, pushball, baseball, etc. The college, as a member of the Ontario Colleges Athletic Association, competes in various intercollege sports, such as basketball and soccer.

Further Information

Additional information is available by contacting Registrar

George Brown College of Applied Arts and Technology
Box 1015, Station B
Toronto, Ontario M5T 2T9
Telephone (416) 967-1212

Georgian College of Applied Arts and Technology

Barrie

President: R.P. Crawford

Georgian College serves the Georgian Bay region with its developing industrial communities and its pleasant recreational areas. Consequently, the college is interested both in the expansion of technological facilities and in preserving the ecological balances of nature. It offers unique programs in resort and hotel administration, including such courses as leisure activities and recreation, and resources technology where considerable emphasis is given to understanding the environment in which we live.

In addition to the Barrie Campus, Georgian College has branch campuses at Orillia, Owen Sound and Penetanguishene. Georgian College nursing programs are located at Barrie, Orillia and Owen Sound; the Orillia Campus is the administrative centre for health science programs. The Owen Sound Campus emphasizes marine technology.

Enrolment 1976-77

Full-time 1,682

Continuing education/Extension 14,000

*Programs Offered

Co-operative education is explained following this section.

Applied Arts

Three-Year Diploma

Design arts (options in creative art, graphic design, industrial design, interior design, and material arts which offers additional options in ceramics and glass, metal, wood and plastics, textiles and weaving).

Admission Requirements: Graduates of the two-year program at Georgian College may enter the optional third year providing they have a minimum average of 65%. Secondary school graduates of the advanced level with 60% overall average may also enter the three-year program.

Two-Year Diplomas

Advertising, design arts (options in creative art, graphic design, industrial design, interior design, and material arts which offers additional options in ceramics and glass, metal, wood and plastics, textiles and weaving), early childhood education, fashion promotion (co-operative), general arts and science, journalism, law and security administration, resort and hotel operation (co-operative). Admission Requirement: Ontario Secondary School Graduation Diploma.

Business

Three-Year Diploma

Business administration (marketing option in second and third years).

Admission Requirements: OSSGD with standing in English and four other subjects with a minimum average of 60%.

Two-Year Diplomas

General business (second year options in marketing and accounting), legal secretarial, medical secretarial, secretarial arts.

Admission Requirements: OSSGD. Ontario Secondary School Honour Graduation Diploma with good shorthand and typing or the general secretarial certificate from Georgian College is required for admission to the second year legal and medical secretarial programs.

One-Year Certificate

General secretarial.

Admission Requirement: OSSGD.

Technology

Three-Year Diplomas

Civil technology (third year option in municipal roads and services), electronic technology, materials technology, mechanical technology, resources technology (all offered at Barrie Campus). Marine engineering technology and marine navigation technology are available at the Owen Sound Campus only. Both marine programs are co-operative.

Admission Requirements: OSSGD with standing in year 3 and year 4 English, mathematics and a science. It is suggested that applicants be achieving a minimum average of 60% to ensure a reasonable degree of success in these programs.

Two-Year Diplomas

Civil engineering technician, electrical technician, electronics technician, mechanical drafting technician, survey technician (co-operative).

Admission Requirements: OSSGD with standing in English, mathematics and a science.

Health Sciences

Two-Year Diplomas

Nursing.

Georgian College offers a diploma program in nursing at Barrie, Orillia and Owen Sound. On successful completion of the program, graduates may write the examinations set by the College of Nurses of Ontario for certification as registered nurses.

Admission Requirements: OSSGD with two science credits in years 3 and 4. Two of the following are recommended: physics, chemistry, biology. Biology is preferred as one of the sciences. In order to ensure a reasonable degree of success in the program, applicants should be achieving a minimum average of between 65% and 70%.

Mental Retardation Counsellor.

Admission Requirement: OSSGD.

Dental Hygienist.

Admission Requirement: Dental Assistant Certificate.

Dispensing Optician.

Admission Requirement: OSSGD with standing in mathematics and physics.

One-Year Certificate

Dental assistant (offered at the Orillia Campus only).

Admission Requirement: OSSGD.

Nursing assistant (offered at various locations in the Georgian Bay region).

Admission Requirement: Year 2.

Co-operative Education

Georgian College operates several co-operative programs: fashion promotion, marine engineering technology, marine navigation technology, resort and hotel operation, and survey technician.

These programs have both an academic element and a work/study portion which is taken in industry. The work/study element may extend anywhere from three weeks to eight months depending on the nature of the arrangement with industry.

Summer School of the Arts

Georgian College operates a Summer School of the Arts, concentrating on leisure activities for all age groups, during the period from the first week in June until the end of August.

Courses such as ceramics, fitness activities, painting, piano lessons, sailing and weaving are available in Barrie, Owen Sound and Orillia, and in about 20 other locations throughout the Georgian Bay region. Included also are theatrical performances by the Gryphon Theatre which is sponsored by the Georgian Foundation for the Performing Arts. The performances are held in the theatre/auditorium located on the main campus in Barrie. Information about the summer school may be obtained from the

Director

Summer School of the Arts

410 Duckworth Street

Barrie, Ontario L4M 3X9

Extension Services

The Extension Services Division offers day and evening classes to adults in approximately 32 locations throughout the Georgian Bay region. The offerings cover health science subjects, applied arts, business, and technology, as well as courses of general interest. Approximately 150 subjects are now available. Interested candidates should write to the Extension Services Division of Georgian College.

Library

The library at the Barrie Campus contains about 30,000 volumes. Seven smaller libraries are located in other educational centres related to Georgian College at Owen Sound, Orillia and Penetanguishene. The total holdings of Georgian College are approximately 60,000 volumes, plus 125 periodicals.

Financial Assistance

The Student Awards Office located on the campus of Georgian College will have information on government assistance available to full-time and part-time students. The Student Awards Officer will also have details on bursaries and scholarships offered by the college.

Counselling Services

The college has a counselling service to assist applicants in course selection, vocational orientation and placement. A full-time counsellor is available at the Barrie Campus. The counselling service is closely related to agencies in the community which have greatly assisted students of the college in a variety of professional services.

Student Placement Service

A full-time Placement Officer is located on the Barrie Campus, together with the Director of Co-operative Education. They help students to find employment during the college year and upon graduation.

Living Accommodation

There are no residential accommodations attached to any campus of Georgian College. Students normally secure room and board in the local community. There are also rooms available in the residences of the former regional schools of nursing, but these residences are not under the control of Georgian College. Students desiring accommodation must make their own arrangements with the administrator of each of the residences. Information is available through the housing office.

Further Information

Additional information is available from
D.R. McKillican
Dean, Educational and Student Services

C.C. Gaskin

Admissions Officer

W.T. Egan

Student Awards Officer

Georgian College of Applied Arts and Technology

401 Duckworth Street

Barrie, Ontario L4M 3X9

Telephone (705) 728-1951

Information concerning the Owen Sound Campus may be obtained from

R.G. Cameron

Admissions Officer

Georgian College of Applied Arts and Technology

8th Street East

Owen Sound, Ontario N4K 5R4

Telephone (519) 376-0682

Humber College of Applied Arts and Technology

Toronto

President: Gordon Wragg

In September 1967, Humber College was established at the former James S. Bell Public School on Lakeshore Boulevard. Since then enrolment has grown from 500 to over 6,000 post-secondary, 5,000 retraining and more than 45,000 part-time students.

Humber's eight teaching campuses are located in Etobicoke and York, with the largest campus (North Campus) presently providing educational facilities for more than 6,000 full-time day students. The North Campus long-range development plans will accommodate an increasing enrolment to some 9,000 day students by 1979. In September 1973, the Quo Vadis School of Nursing and the Osler School of Nursing became part of Humber College.

Humber offers some 110 day programs in five divisional areas: Applied Arts, Business, Creative and Communication Arts, Health Sciences and Technology. In addition, training is provided in the retraining and apprenticeship fields.

The Centre for Continuous Learning offers more than 1,000 special interest and credit programs for part-time study in the fall, winter and spring semesters.

The philosophy of Humber College is one of pragmatism and flexibility toward the needs of the community. At Humber, people are also given the opportunity of challenge for creative development.

Enrolment 1976-77

Full-time 10,000

Continuing education/Extension 55,000

General Admission Requirements

Ontario Secondary School Graduation Diploma or equivalent. Mature students 19 years of age or over, with one year of experience out of school and who are able to successfully complete a Mature Student Assessment Evaluation will also be considered. Upgrading programs are available on an individual learning basis.

Applicants to nursing diploma programs must also have two credits in science at the senior level.

Applicants to technology programs must have an OSSGD with credits in technical or academic mathematics and a minimum of three science credits with better than passing grades (physics, chemistry and biology).

North Campus

Humber College Boulevard
(6,000 day students)

Programs Offered*Applied Arts**

Six-Semester Diplomas

Child care worker, landscape technology.

Five-Semester Diploma

Early childhood education for the developmentally handicapped.

Four-Semester Diplomas

Community studies, early childhood education, equine studies, family and consumer studies, fashion careers, landscape technician, law enforcement, mental retardation counsellor, recreation leadership, retail floriculture, social service, travel and tourism, workshop rehabilitation.

Three-Semester Diploma

Ski area management.

Two-Semester Diplomas

Arena management, modelling.

Business**Business Certificate Programs**

Accountancy, business administration, business management, chef management, club management, computer programming, general business, hotel food management, hotel and restaurant management, legal assistant, manufacturing management, marketing, personnel management, retail merchandising management, secretarial (business, executive, executive procedures, general, legal documents, legal, medical, medical records).

Business Diploma

Accountancy (credits toward CGA/RIA), business administration (profiles in accountancy, computer programming, data processing, hotel and restaurant, marketing, personnel), computer programming, data processing (profiles in computer operator, systems analysis), general business (floor covering marketing), general business (profiles in business assistant, general insurance, life insurance, legal assistant), hotel and restaurant management (profiles in club management, food management, hotel management), marketing (profiles in advertising, general marketing, merchandising management, retail supermarket management, sales, wholesale management), secretarial (executive, legal, medical).

Most business programs are offered on a flexible semester basis, allowing a student to attend on a regular September-to-May basis, a co-operative (work study) program, or any other practical combination.

Creative Arts**Six-Semester Diplomas**

Creative cinematography, furniture design, interior design, journalism, metal arts, music, package design, public relations, radio broadcasting, theatre arts.

Four-Semester Diplomas

Advertising and graphic design, creative photography, instructional materials centre technician.

Health Sciences**Four-Semester Diploma**

Nursing.

Two-Semester Diplomas

Ambulance and emergency care, nursing assistant, pharmacy assistant.

One-Semester Post-Diplomas

Registered nursing assistant (operating room), registered nursing (operating room).

20-Week Certificate

Maternal infant nursing.

Eight-Week Post-Diploma

Post basic psychiatric program.

Four-Week Post-Diploma

Coronary care.

Two-Semester Post-Diploma

(one semester full-time and one semester part-time)

Registered nursing (operating room).

Human Studies**Four-Semester Diploma**

General arts and science.

Technology**Six-Semester Diplomas**

Architectural technology, chemical engineering technology, chemical technology (industrial chemistry option), chemical technology (bio-science option), civil technology, electro-mechanical technology (automation and controls), electronics technology, electronics technology (video option), hydrographic survey, industrial management technology, manufacturing engineering technician, safety technology, survey technology, technical sales representative, transportation planning.

Four-Semester Diplomas

Architectural technician-design, civil technician, electronics technician, explosives technician, instructional materials centre technician (audio-visual), laboratory technician, mechanical technician-design (drafting), mechanical technician (electro-mechanical-automation and controls and numerical-tape controlled machinery), medical equipment maintenance technician, quality control technician, refrigeration and air conditioning (sales) technician, survey technician, tool and die design technician.

Two-and-a-Half Semester Diplomas

Aerial survey technician, electronics certificate (ILP Program) 48 weeks.

Some programs are offered on the co-operative education (earn and learn) basis. For further information contact the Technology Co-operative Education Co-ordinator.

Related Apprenticeship Studies at the North Campus

Carpet and tile installer, hairdressing, horticulture.

Humber Lakeshore 1

3199 Lakeshore Boulevard West

Diploma Programs

Community studies, general arts and science, general business (with specialized studies in accounting, marketing, personnel management), general secretary certificate, metal arts, secretary (diploma and certificate programs in executive, legal, medical), social services.

Certificate Programs

Academic upgrading (year 1-4 equivalent), accounting clerk, bookkeeping clerk, clerk-typist, commercial refresher, data entry operator, dicta-typist, English as a second language, advanced English as a second language, receptionist-typist, stenographer-general, teller-cashier.

Humber Lakeshore 2

55 Queen Elizabeth Boulevard

Two-Year Diploma Programs

Electrical control technician, industrial instrumentation technician, precision instrument technician.

Certificate Programs

Automatic screw machine setter operator (single and multi-spindle), building material sales, camera repair mechanic, drafting, drafting refresher, industrial maintenance mechanic (general and packaging), instrumentation mechanic, machine shop, welder fitter, welder operator, welder refresher.

Apprenticeship Programs

Electrical construction and maintenance, plumbing, sheet metal, steamfitting.

Humber Lakeshore 3

829 The Queensway

Academic upgrading (grade 1 to year 4 equivalent), English as a second language, advanced English as a second language.

Keesledale Campus

88 Industry Street

Academic upgrading (year 1-4 equivalent), accounting clerk, bookkeeping clerk, clerk-typist, commercial refresher, dicta-typist, English as a second language, advanced English as a second language, receptionist-typist and stenographer-general.

Osler Campus

5 Queenslea Avenue

Four-Semester Diploma

Nursing.

York-Eglinton Centre

The York-Eglinton Centre Campus of Humber College offers a wide selection of interesting programs in co-operation with local agencies and community groups. For further information on York-Eglinton write, call or visit
York-Eglinton
1669 Eglinton Avenue West
Toronto, Ontario M6E 2H4
Telephone (416) 781-5621

Centre for Continuous Learning

The Centre for Continuous Learning provides part-time studies and activities in more than 1,000 special interest areas. It offers credit courses, special interest courses, workshops, as well as seminars and conferences in response to a continuing liaison with business, industrial, government and community organizations.

Centre for Women

The Centre has as its goals to identify the educational needs of women, to provide information on educational opportunities, to encourage women in their educational and vocational goals, to assist women in improving self-esteem and independence so they may cope with changes in their lives, to provide special assistance for low-income women, to encourage career advancement for women and to serve as a resource for information on current women's concerns and issues.

Continuing Education Programs

Each of the college's divisions endeavours to meet the community needs by offering specialized programs for credit purposes as well as courses designed to meet the general interests of the community. These courses are offered at the North Campus, Lakeshore 1 and Neighbourhood Learning Centres.

Further Information

For further information on admission requirements and details about programs and facilities, please contact

Mr. F.A. Embree

Registrar

Humber College of Applied Arts and Technology

P.O. Box 1900

Rexdale, Ontario M9W 5L7

Telephone (416) 675-3111

For a list of continuing education courses, write or call

Dean

Centre for Continuous Learning

Humber College of Applied Arts and Technology

P.O. Box 1900

Rexdale, Ontario M9W 5L7

Telephone (416) 675-3111

For information and application forms for the Ontario Student Assistance Program or for loans to part-time students, please contact

Miss Mary McCarthy

Financial Aid Officer

Humber College of Applied Arts and Technology

P.O. Box 1900

Rexdale, Ontario M9W 5L7

Telephone (416) 675-3111 ext. 245

Lambton College of Applied Arts and Technology

Sarnia

President: G.M. Delgrosso

Lambton College is located on a campus officially opened by Governor-General Roland Michener in March 1971.

The campus houses the schools/divisions of business, liberal and applied arts, nursing, technology, continuing education and community services and training.

The college offers a wide variety of career programs in the areas of business, secretarial arts, technology, general and applied arts, retraining and industrial training, and nursing. These programs are intended to prepare students for careers in the various areas of employment available in the region.

Enrolment 1976-77

Full-time 784

Continuing education/Extension 3,400

Admission Requirements

For all programs (except technical, technology, medical laboratory technology and nursing) the Ontario Secondary School Graduation Diploma (OSSGD) with three year 4 credits including English, or the equivalent is required. Applicants may also qualify as mature students by being 19 years of age or older. Normally an interview with a counsellor is also required.

Technical and technology programs—OSSGD including satisfactory standing in year 3 physics and year 4 chemistry, English and mathematics, or the equivalent.

Electronics, home entertainment service—OSSGD including satisfactory standing in year 3 physics and year 4 English and mathematics, or the equivalent.

Piping drafting—OSSGD including satisfactory standing in year 3 physics, year 4 English and mathematics, and three drafting credits, or the equivalent.

Medical laboratory technology—open to graduates of the preparatory program or students holding the Ontario Secondary School Honour Graduation Diploma (OSSHGD) with satisfactory standing in year 5 biology, chemistry, English and mathematics (preferably that dealing with functions and relations). Physics, though not obligatory, is recommended as an additional credit. Final acceptance is subject to an interview normally given during the spring at one of the affiliated hospitals.

Nursing program—OSSGD with two science credits beyond year 2 or the equivalent. Biology (year 3 or higher) and chemistry (year 4 or higher) are strongly recommended. Mature students may also be considered for admission provided they have an OSSGD.

Advanced Standing

Applicants with credits in excess of year 4 from high school, college and/or university may be admitted with advanced standing. That is, they are not required to take courses for which they have attained satisfactory standing elsewhere. With an appropriate selection of year 5 credits, students may be directly admitted to the second year of any technology program or the general arts and science program.

With satisfactory standing in year 4 English, typewriting or office practice and Pitman shorthand included in the OSSGD, students may be directly admitted to the second (specialty) year of the secretarial arts program.

*Programs Offered

General and Applied Arts

Two-Year Diplomas

Early childhood education, general arts and science (with a wide variety of majors), radio, recreation (parks operation and services), television and journalism arts.

One-Year Certificates

Art fundamentals, infant and toddler care and guidance. For infant toddler care and guidance, students must have successfully completed the first year of an acceptable early childhood education program or be an early childhood education graduate. Each 10-week semester is offered over two consecutive summers.

Business

Three-Year Diploma

Business administration (majors in accounting, marketing and combination accounting/marketing).

Two-Year Diplomas

Accounting, marketing, secretarial arts (executive, legal and medical majors).

The accountancy, marketing and business administration programs have a common first semester enabling new students to delay selecting their programs until the beginning of the second semester. Secretarial arts has a common first year with specialization in the second year. Students can then make an enlightened decision on the choice of their programs.

One-Year Certificate

Secretarial arts.

Technology

Three-Year Diploma

Engineering technology (chemical, electronics, industrial hygiene and mechanical).

The first semester of each program is common, so that students may delay selection of their area of specialization until the beginning of the second semester.

Two-Year Diplomas

Engineering technician (chemical, mechanical drafting), medical laboratory technology.

The first year of medical laboratory technology is academic and the second, a year of clinical experience in one of the affiliated hospitals.

One-Year Certificates

Medical laboratory technology preparatory program.

Graduates of this one-year preparatory program will have fulfilled the academic requirements of the Canadian Society of Laboratory Technologists for eligibility to enter a complete training program in medical laboratory technology at Lambton College or in any other approved program in Canada.

Process operations program.

This program is specifically designed to prepare secondary school graduates for employment in the process industries. Planned in very close co-operation with the process industries in Sarnia's "Chemical Valley," this program provides the student with an understanding of the process equipment employed and of the principles of operation involved.

Electronics, home entertainment service program.

This program is specifically designed to produce a graduate who will be able to systematically diagnose, locate and repair all faults in electronic home entertainment equipment with a high degree of proficiency.

Piping drafting.

Planned in close co-operation with consulting engineering, fabrication, construction and processing companies in Sarnia's "Chemical Valley," the program is designed to fill the critical local and nationwide need for draftsmen. People possessing skills developed in this program will have a definite advantage for employment in these companies. The entire program consists of drafting courses in the drafting room and does not involve other academic courses. Thus students will work under conditions closely duplicating those they will meet after graduation.

Nursing

Two-Year Diploma (six semesters)

Graduates of this program are able to plan and give care to individuals of all ages, and to function as general staff nurses in health care agencies in which leadership is provided by experienced personnel.

Selected clinical experiences provide the opportunity for students to relate theory to nursing practice. Students receive clinical experience in a variety of community agencies, general hospitals, public health agencies, doctors' offices, senior citizens' facilities and extended care facilities.

Successful completion of this program qualifies graduates to write the registration examinations of the College of Nurses of Ontario.

Continuing Education and Community Services

All business and general and applied arts diplomas are available through evening study. Technology courses at all three advanced technical levels are available in evening classes. The Division of Continuing Education offers various co-operative courses in association with such groups as the Association of Professional Engineers of Ontario, the Canadian Institute of Management, the Registered Industrial Accountants, the Insurance Institute and the Ontario Real Estate Board.

A wide variety of general interest and non-credit courses is also offered both in the evenings and on weekends.

Retraining and Industrial Training

A wide variety of programs are offered including academic upgrading to the equivalent level of year 4, clerical and stenographic courses, English as a second language, specialized skill courses, welder fitter, appliance servicing, marine and small engine mechanics, and the training in business and industry programs. One-year programs in electronics, home entertainment service and process operations are also offered in co-operation with the Technology Division.

An industrial day-release program is offered in co-operation with local industry and the Industrial Training Branch of the Ministry of Colleges and Universities.

Counselling Services

Lambton College maintains a full-time counselling centre staffed by professional counsellors to provide students with confidential career, academic and personal counselling. A testing centre provides a full range of interest, aptitude and vocational tests, and ensures complete assessment and evaluation of students.

Student Placement Services

A full-time Placement Officer is available to assist students in obtaining permanent employment on graduation, part-time employment during the term and summer employment between terms. A registry of available jobs is posted daily.

Living Accommodation

A residence for female students is located on campus. In addition, the college maintains a registry of available rooming and boarding houses, apartments and other rental facilities. This registry is available to registered students upon request.

Athletics

It is the aim of the Athletics Department to provide students with an opportunity to take part in leisure time, intramural and varsity activities of their choice. An intramural program is organized and administered through a Student Athletic Association with the assistance of the Athletic Department when required. These activities may include: golf, tennis, touch football, men's volleyball, women's volleyball, men's basketball, hockey, table tennis, billiards, floor hockey, badminton, slow-pitch baseball, bicycle marathon, joggers' club, broomball, cheerleading, archery and horseshoes.

Intercollegiate programs give students a chance to compete at a more demanding level. Lambton College is a full participating member of the Ontario Colleges Athletic Association (OCAA) which is a 26-team, four-divisional conference.

Further Information

For further information regarding Lambton College, please contact Registrar
Lambton College of Applied Arts and Technology
1457 London Road
P.O. Box 969
Sarnia, Ontario N7T 7K4
Telephone (519) 542-7751

Loyalist College of Applied Arts and Technology

Belleville

President: Herbert Young

Loyalist College was established at Belleville in 1967 to serve the Quinte region of Ontario comprising the counties of Hastings, Lennox and Addington, Prince Edward and Northumberland, except the town of Cobourg and the western townships of Northumberland. The campus comprises 137 acres of picturesque wooded land on Wallbridge-Loyalist Road just west of the City of Belleville.

The first phase of the permanent building complex was occupied in the fall of 1970. A second building to house the administrative offices, library, student centre and academic area was opened in the fall of 1972. The third building of the permanent complex opened in September 1973.

The college stresses the preparation of students for employment in their field, whether it be in business, technology, arts or services.

Enrolment 1976-77

Full-time 1,700
Part-time 100
Continuing education/Extension 7,000

***Programs Offered**

Business and Communications

Three-Year Diplomas

Accountancy, business administration, communication studio techniques, data processing, hotel management, secretarial.

Admission Requirements: OSSGD (27 credits). Credits will be granted for year 5 English and other applicable subjects to the program in which the applicant is enrolled. Credits may also be granted for courses at other post-secondary educational institutions, at the discretion of the School Director. Official transcripts must be presented.

Mature applicants (over 19 years of age at date of registration) will also be considered.

Two-Year Diplomas

Accountancy, assessment appraisal-real estate, business administration, communication studio techniques, data processing, education resource technician, general arts and science, hotel administration, secretarial.

Admission Requirements: Same as for three-year diplomas.

Accelerated accountancy. Commencing in September, January or May, a student may complete a regular two-year accountancy program in one 12-month period.

Admission Requirements: OSSGD including year 4 accounting and business mathematics. Mature applicants (over 19 years of age at date of registration) will also be considered.

Health Sciences and Community Studies

Two-Year Diplomas

Behavioural sciences, early childhood education, law and security management, nursing, residential counsellor-mental retardation.

Admission Requirements: OSSGD (27 credits). Credits will be granted for year 5 English and other applicable subjects to the program in which the applicant is enrolled. Diploma nursing applicants are required to have an OSSGD including two science subjects at a senior level. Preference is given to those having year 4 chemistry, year 3 biology or physics and year 3 math. Credits may also be granted for courses at other post-secondary educational institutions, at the discretion of the School Director. Official transcripts must be presented.

Mature applicants (over 19 years of age at date of registration) will also be considered. Diploma nursing and nursing assistant applicants must pass health examinations and personal interviews.

One-Year Certificate

Nursing assistant (leading to Registered Nursing Assistant certification by the College of Nurses of Ontario).

Admission Requirements: OSSGD or equivalent. Mature students (over 19 years of age) with a year 2 Ontario certificate will also be considered. Applicants will be interviewed and must pass a health examination.

Certificates of Achievement

Health care aide (16-week course for those who wish to work in nursing homes and homes for the aged), hospital central service program (16-week course to prepare people for employment in preparation, processing and distribution of medical and nursing supplies in various hospital departments). Admission Requirements: Ontario year 2 (grade 10) certificate. Mature applicants (over 19 years of age at date of registration) will also be considered for health care aide if they have Ontario grade 8.

Technology

Three-Year Diplomas

Chemical, civil, electrical and electronic technology.

Admission Requirements: Three-year technology, two-year technician and one-year electronics programs. Normally, applicants will be expected to have an OSSGD with standing in mathematics at the general (year 4) level or higher.

Students who lack standing in secondary school year 4 English will be required to take supplementary work in English.

Although no specific standing is required, applicants for the three-year technology programs must have demonstrated academic achievement which would indicate the probability of successful completion of the program.

Applicants with qualifications beyond the minimum entrance requirements may be granted credit in subjects applicable to their program. Credits may also be granted for other secondary school year 5 courses, courses at other community colleges, universities or educational institutions at the discretion of the School Director. Official transcripts must be presented.

Two-Year Diplomas

Architectural; chemical engineering; civil engineering; construction engineering; electrical engineering technician—50-week accelerated; electronic engineering technician—50-week accelerated; mechanical engineering technician—50-week accelerated (mechanical drafting and tool and die making options); senior survey technician; water resources field technician. Admission Requirements: See three-year diploma admission requirements.

One-Year Skill Programs

Construction trades helper (16 weeks), electronic servicing mechanic (48 weeks), industrial maintenance mechanic (40 weeks), welder fitter (40 weeks).

Admission Requirements: Construction trades helper—year 2 or relevant practical experience background. Electronic servicing mechanic—Ontario year 2 or equivalent. Industrial maintenance mechanic—Ontario year 2 (year 4 preferred). Welder fitter—Ontario year 2 or equivalent.

Extension Division

Courses leading to college certificates and diplomas are offered in accountancy, business administration, conversational French, data processing, law and security management, as well as many technical courses at the technician and technology level. In addition, a wide range of co-operative courses are provided at the Belleville Campus. Interest and hobby courses are also offered at the Belleville Campus and at many high schools throughout the four counties served by Loyalist College.

Retraining

Programs are offered in academic upgrading, business, commercial upgrading, drafting and other skills.

Apprenticeship

Loyalist College provides classroom instruction for the apprenticeship programs offered by the Industrial Training Branch of the Ministry of Colleges and Universities. Areas of apprenticeship instruction assigned to Loyalist in 1977-78 are electrical construction and maintenance, machinist courses and motor vehicle repair. Loyalist does not register apprentices directly; this is done at the Industrial Training Branch which provides all details of the program and does the scheduling.

Information concerning qualification requirements leading to certification can be obtained by contacting the Industrial Training Branch, Ministry of Colleges and Universities, Mowat Block, Queen's Park, Toronto, Ontario M7A 2B5; or the local office of the branch at Belleville. Telephone (613) 962-8436 for an interview.

Library

The college has a collection of 37,000 books (not including periodicals) and a multi-media resource centre.

Financial Assistance

The Student Awards Office located on the campus of Loyalist College will have information on government assistance available to full-time and part-time students. The Student Awards Officer will also have details on bursaries and scholarships offered by the college.

Full-time students who are ineligible for financial aid under the provisions of OSAP or other student aid programs, may apply through the Student Awards Office for a college assisted bank loan, repayable upon graduation. Short-term loans are also available to students encountering temporary financial difficulties during the academic year.

Counselling Services

A comprehensive service, co-ordinated by the Department of Student Services, is available to all students and applicants.

Student Placement

The on-campus Placement Office provides counselling in career choice, consolidates information on current job opportunities and assists students in obtaining regular, summer and part-time work.

Living Accommodation

There is no living accommodation on campus. An extensive list of homes and residences in the Belleville area offering rooming and boarding facilities is available from the Department of Student Services.

Sports

The college's athletics program ranges from outdoor education activities such as canoeing, camping and cross-country skiing, to recreational, intramural and intercollegiate competition. The Loyalist Lancers compete, for example, in intercollegiate (OCAA) archery, badminton, basketball, curling, golf, volleyball, soccer, skiing and tennis. Basic instruction is provided to any student seeking to learn a new sport.

Further Information

For further information, contact Registrar
Loyalist College of Applied Arts and Technology
Wallbridge-Loyalist Road
P.O. Box 4200
Belleville, Ontario K8N 5B9
Telephone (613) 962-9501

Mohawk College of Applied Arts and Technology

Hamilton

President: Sam Mitminger

Mohawk College serves much of the industrial heartland of southwestern Ontario and its hinterland including the cities of Hamilton and Brantford and surrounding area.

The college's main Fennell Campus, located at 135 Fennell Avenue West on Hamilton's mountain, houses the majority of post-secondary programs with the exception of health sciences. The college maintains seven separate health sciences facilities, four separate nursing campuses, and departments of radiography, physiotherapy and medical laboratory technology. The Faculty of Health Sciences, with a total enrolment of 1,100, has developed a unique relationship with the Faculty of Health Sciences of McMaster University. Professional input, both in the development and teaching of programs, is shared to the benefit of the students of both institutions.

Mohawk College maintains two large, modern facilities used primarily to offer retraining programs. These are the Braneida Campus in Brantford and the Saltfleet Campus in the heavily industrial Saltfleet Township, east of Hamilton.

Mohawk College's Wentworth Campus and its English Language Centre are both located in downtown Hamilton. The former houses a number of apprenticeship and business programs while the latter offers English language classes to new Canadians, in conjunction with the Hamilton Multicultural Centre. In the Haldimand-Norfolk region Mohawk College, in co-operation with McMaster University, has set up the Mohawk College-McMaster University Education Information Centre which offers a variety of continuing education courses for residents in that region.

The co-operative concept of education is significantly advanced at Mohawk College. By the fall of 1974, nine post-secondary programs representing a student enrolment of over 800 had been modified to supplement academic study by paid work experience in the field. The college feels that co-op has many advantages to the student and the potential employer and creates an environment in which theory and practice are closely linked. Plans call for other post-secondary programs to become co-operative in the future.

Mohawk College has the second largest college enrolment for technology in the province. The very broad range of programs offered in this area includes textile engineering technology, the only program of its kind taught in English in Canada. Transportation planning technology is the only three-year program available in Ontario to train people to enter this dynamic field.

Enrolment 1976-77

Full-time 4,186
Part-time 5,500
Continuing education/Extension 20,000

•Programs Offered

Applied Arts and Business

Three-Year Diplomas

Advertising, applied music, business administration (optional third year specialization in accounting and marketing), television broadcasting.

Admission Requirements: OSSGD with good standing in year 4 advanced English and also, for business administration, algebra-based advanced mathematics taken in years 3 and 4 plus a minimum of nine additional senior level subjects.

Two-Year Diplomas

Accounting, broadcast journalism, child care, community planning, early childhood education, general business, insurance administration, law and security administration, marketing, radio broadcasting, recreation leadership, secretarial (general, legal and medical), social services.

Admission Requirements: OSSGD with year 4 English and also, for the business programs, year 4 mathematics and ten additional senior level subjects.

Applied Science and Technology

Three-Year Diplomas (Technology Programs)

Architectural (co-operative), chemical engineering, civil engineering, computer systems (co-operative), control systems engineering (co-operative), energy systems engineering (co-operative), electronics engineering (co-operative), industrial management (co-operative), mechanical engineering (production, design and motive power options, co-operative), metallurgical engineering, textile engineering technology, transportation planning technology (co-operative).

Admission Requirements: OSSGD. Applicants who have successfully completed English at the advanced level, mathematics at the year 3 and year 4 advanced level, physics and chemistry at the year 3 and year 4 advanced level are generally well prepared for the three-year technology programs. Applicants with these subjects taken at the general level will be considered on an individual basis. Under certain conditions, a technical subject taken at an acceptable level may be substituted for either chemistry or physics.

Applicants for the architectural technology program may substitute one of the following options for chemistry: history, art, architectural drafting or construction technology.

Applicants for the computer systems technology program and the transportation planning technology program must have completed the requirements for an OSSGD with English at the year 4 advanced level and mathematics at the year 3 and year 4 advanced level.

Technology applicants who have taken mathematics at the year 3 and year 4 general level will be required to take a summer preparatory mathematics course. Exemption from the preparatory mathematics course can be obtained by writing a mathematics test which will determine the student's mathematical functioning level.

Two-Year Diplomas (Technician Programs)

Architectural, chemical, civil engineering, construction engineering, data processing, electrical systems engineering, electronics engineering, industrial engineering, instrumentation, mechanical drafting.

Admission Requirements: OSSGD with good standing in year 4 mathematics and English. One of physics, chemistry or a technical subject taken at the year 3 level or higher.

One-Year Diplomas

Parts management and merchandising, stationary engineer.

Admission Requirements: OSSGD with year 4 English, and one of physics, chemistry or a technical subject taken at the year 3 level or higher, year 3 mathematics. The stationary engineer program also requires year 4 mathematics.

Apprenticeship Programs

Carpenter, electrician, hairdresser, motor vehicle mechanic, plumber, refrigeration and air conditioning mechanic, sheet metal worker.

Health Sciences

Three-Year Diplomas

Physiotherapy.

During second and third years, students are based in the Physiotherapy School at the Chedoke Hospital and instruction is given by members of the Faculty of Medicine (McMaster University), Mohawk College faculty and other medical resource people.

Admission Requirements: OSSGD with good standing in the following subjects taken at the advanced level: year 4 English, year 3 and year 4 mathematics, and two of physics, chemistry or biology completed in year 3 or year 4. Every applicant will be considered on an individual basis. Acceptance into the program will also be based on a personal interview and tests.

Occupational Therapy.

This diploma program is designed to educate fully qualified occupational therapists at the basic level.

Admission Requirements: OSSGD with good standing in the following subjects taken at the advanced level: year 4 English, one senior science and one other year 4 course. Every applicant will be considered on an individual basis following testing and in some cases a personal interview.

Two and Three-Year Programs

Radiography.

Admission requirements for entry into the first year of both programs: OSSGD with good standing in advanced level mathematics taken in year 3 and year 4, physics taken in year 3, plus any three other science credits and years 3 and 4 English. Acceptance into the program will also be based on tests and a personal interview with hospital representatives.

Upon graduation from the program students will be required to write the CSRT (Canadian Society of Radiological Technologists) examination in order to become eligible for certification.

The two-year program prepares the majority of students for radiographic work in hospital departments, whereas the three-year program may lead to eventual promotion to senior professional responsibilities.

The academic year consists of eleven months with one month's holiday. Both programs have a common first year which constitutes the first year of professional training and may potentially be used as credit toward university studies.

Two-Year Diplomas

Nursing.

This program leads to a Diploma of Nursing and, upon successful completion of the examinations set by the College of Nurses of Ontario, certification as a registered nurse. Admission Requirements: OSSGD with two senior level sciences. Desirable preparation includes advanced level science courses (such as biology, chemistry, physics) and English. A personal interview and testing are normally required.

Medical Laboratory Technology.

This program leads to a diploma qualifying students to write the General Certificate Examination of the Canadian Society of Laboratory Technologists.

Admission Requirements: OSSGD (Ontario year 5 or equivalent) with good standing in the following subjects: English, chemistry, mathematics (relations and functions), a second science (preferably biology), and an additional credit for a minimum of six. Acceptance is also based on testing and a personal interview, and is dependent upon the student's obtaining training placement in one of the approved hospitals.

Library

Mohawk College's attractive library contains over 30,000 volumes and documents and encompasses a large number of areas for relaxed study. The spacious resource centre houses all sound and audio-visual learning materials and facilities including three fully equipped media studios.

Counselling Services

The college maintains a full-time counselling centre with qualified counsellors to provide students with confidential assistance in their personal problems and to assist the faculty in counselling students in academic matters.

Further Information

For further information on admission requirements and details about programs and facilities, please contact

Registrar
Mohawk College of Applied Arts and Technology
135 Fennell Avenue West
Hamilton, Ontario L8N 3T2

For information and application forms for student awards and loans, please contact
Student Awards Officer
Student Services Division
Mohawk College of Applied Arts and Technology
135 Fennell Avenue West
Hamilton, Ontario L8N 3T2
Telephone (416) 389-4461

Niagara College of Applied Arts and Technology

Welland

President: A.S. Manera

Niagara College is located on a main campus of 100 acres in Welland, Ontario, as well as on five satellite locations in the Niagara Peninsula. Its 430,000 square feet of facilities include an outstanding resource centre, a data processing centre, a modern television and radio studio as well as a gymnasium and outdoor tennis courts.

Learning at Niagara College is considered to be the mutual responsibility of the students, faculty and administration, and it is marked by the close relationship of all three groups.

Enrolment 1976-77

Full-time 2,397

Continuing education/Extension 11,895

Campus Locations

All post-secondary courses are offered at the main campus in Welland with the exception of:

Horticultural technician, which is given at Department of Horticulture
360 Niagara Street
St. Catharines, Ontario L2M 4W1

Theatre Arts, offered at
Niagara College Theatre Centre
54 Empire Street
Welland, Ontario L3B 2L4

Hotel and restaurant administration, available at
Rainbow Hotel Centre
5755 River Road
Niagara Falls, Ontario L2G 3K9

Nursing education, offered at
Mack Centre
St. Catharines, Ontario L2R 7C6
and at
Niagara Centre
5673 North Street
Niagara Falls, Ontario L2J 5X8

•Programs Offered

Applied Arts and Health Sciences

Two-Year Diplomas

Early childhood education, educational resources technician, fashion arts, general college diploma, graphic arts, horticultural technician, human relations, interior decorating, journalism, law and security administration, library technician, health records technician, nursing education, preventive dental assistant, radio and television arts, social services, theatre arts.

Admission Requirements: Ontario Secondary School Graduation Diploma. In addition, a personal interview is required in the early childhood education, medical records, radio and television arts, social service worker and theatre arts programs.

A personal interview and credits at the advanced level in chemistry and physics or biology are required for the nursing education program.

Two-Year Diplomas (Third Year Optional)

Fashion arts, journalism, radio and television arts, theatre arts.

Admission Requirements: Same as above.

One-Year Certificates

Dental assistant, dicta-typist health records.

Admission Requirements: OSSGD. In addition, a personal interview may be required.

Business

Three-Year Diplomas

Business administration (third year specialization in data processing, financial, industrial, marketing or personnel management).

Admission Requirements: OSSGD with standing in year 4 level English and mathematics.

Hotel and restaurant administration, secretarial science.

Admission Requirement: OSSGD.

Two-Year Diplomas

Bilingual secretary, general business (second year specialization in accountancy, electronic data processing, merchandising, sales), legal assistant, retail management, secretarial arts.

Admission Requirement: OSSGD.

One-Year Certificates

Secretarial steno-typist, secretarial dicta-typist.

Admission Requirements: OSSGD with advanced typing or shorthand skills.

Technology

Three-Year Diplomas

Construction engineering technology, engineering technology (second and third year specialization in chemical, computer, electronic, mechanical, and power engineering technology).

Admission Requirements: OSSGD with standing in year 3 physics and year 4 mathematics and chemistry.

Two-Year Diplomas

Chemical technician, electrical technician, electronic technician, mechanical design drafting technician (major options in mechanical design or mechanical production), refrigeration and air conditioning technician, survey technician.

Admission Requirement: OSSGD.

Retraining

Programs offered in retraining are designed to meet the changing demands of business and industry and provide a learning situation whereby persons may be prepared for upward job mobility or entrance to other levels of learning.

Extension Division

Through the Extension Division, Niagara College serves the needs of part-time students interested in courses at the college level.

Many of the diploma programs in applied arts, business, health sciences and technology are offered through extension. In addition, the School of Community Education serves the community through its special interest courses and its programs in labour studies and labour-management relations.

Library

The library's collection contains 35,000 volumes, with 650 periodical subscriptions.

Financial Assistance

The Student Awards Office of Niagara College will have information on government assistance available to full-time and part-time students. The Student Awards Officer will also have details about a short-term emergency loan fund as well as scholarships and bursaries offered by the college.

Counselling Services

Niagara College counsellors are concerned with the well-being and personal development of each person using their services. Professionally qualified counsellors are available for confidential consultation on educational and vocational planning, personal difficulties and on other matters of concern to the student.

Student Placement Services

A full-time Placement Officer is available on campus to assist students in obtaining part-time, summer and permanent employment.

Living Accommodation

There are no residences or dormitories on campus. Students will be given assistance in finding suitable lodgings off campus. Inquiries about accommodation should be directed to the Registrar.

Sports

The college offers a full recreational, intramural and inter-collegiate program.

Additional Expenses

In certain applied arts programs an additional materials fee is payable by all students. Please consult the college calendar for further information.

Further Information

Please address inquiries about admission requirements and specific programs to Admissions Office
Niagara College of Applied Arts and Technology
Woodlawn Road
Welland, Ontario L3B 5S2
Telephone (416) 735-2211

Northern College of Applied Arts and Technology

Haileybury, Kirkland Lake, South Porcupine

President: J.H. Drysdale

Northern College offers post-secondary education to a vast area encompassing 58,000 square miles of beautiful forest and mineral-laden countryside. Students have three campuses from which to choose.

The Haileybury School of Mines Campus, formerly the Provincial Institute of Mining, is unique. It is geared strictly to serving the education needs of the mining industry and, because of its fine reputation in that industry, has students attending from all parts of Canada and from abroad.

The Kirkland Lake Campus was formerly the Northern Ontario Institute of Technology where students obtained an excellent education in a variety of technical fields. This high level of technological education is still maintained and business administration has been added to the list of programs. Northern's welding engineering technology program, offered at Kirkland Lake, is unique in the community college system. The Kirkland Lake Campus has a co-ed residence with room for 48 students.

The Porcupine Campus was developed to meet the particular needs of the Timmins, Iroquois Falls, Cochrane, Smooth Rock Falls, Kapuskasing, and Hearst areas, but all campuses serve the entire districts of Cochrane and Temiskaming. The Porcupine Campus offers three-year programs in surveying and business administration and a range of two-year programs in applied arts, business and technical areas, as well as in nursing. Special programs of the campus are social services, bilingual secretarial science, early childhood education, child care, fine arts and crafts, hospitality administration and food services, and the registered nursing assistant program.

The Retraining Division is located on the Porcupine Campus. However, it offers programs on each campus and at educational centres throughout the Cochrane and Temiskaming districts, as far north as Winisk on the coast of Hudson Bay.

The Retraining Program provides outreach to the community through Continuing Education, Extension, Training in Business and Industry, and Management Development Programs.

Enrolment 1976-77

Full-time 1,315

Part-time 148

Continuing education/Extension 4,991

Campus Locations and Program Specialization

Haileybury School of Mines

Mining technology (a broad curriculum integrating geology, mining and metallurgy), industrial instrumentation (process measurement and control).

Kirkland Lake Campus

Biochemical technology, business administration, chemical, civil, computer science, data processing, electrical, electronics, electronic technician, industrial chemical technician, laboratory technician, mechanical, mechanical technician, medical lab technology (first year only; transfer program), nursing, secretarial science, welding.

Porcupine Campus

Architecture, business administration, child care, early childhood education, electrical, electronics, fine arts and crafts, health care aide, hospitality administration and food services, nursing, registered nursing assistant, secretarial arts, social service, surveying.

***Programs Offered**

Applied Arts

Two-Year Diplomas

Child care, early childhood education, fine arts and crafts, social service worker.

Admission Requirement: Ontario Secondary School Graduation Diploma or equivalent, or mature student status.

Business

Three-Year Diplomas

Business administration, business administration (accounting, administration marketing and wood products industry options), data processing, secretarial science (English and bilingual) with concentration in general, medical or legal.

Admission Requirement: OSSGD or equivalent, or mature student status.

Two-Year Diplomas

Accountancy and marketing, business program in accounting, business program in administration and marketing, hospitality administration and food service, secretarial arts with concentration in general, medical or legal.

Admission Requirement: OSSGD or equivalent, or mature student status.

One-Year Certificates

Clerk-typist, dicta-typist, secretarial arts.

Admission Requirement: OSSGD or its equivalent, or mature student status.

Technology

Three-Year Diplomas

Broad curriculum mining, chemical (biochemical technology and engineering), civil, computer science, electrical, electronics, mechanical, survey, welding.

Admission Requirement: OSSGD or its equivalent, or mature student status.

Two-Year Diplomas

Architecture, broad curriculum mining, electrical, electronics, industrial chemistry technician, industrial instrumentation, laboratory technician, mechanical, survey.

Admission Requirement: OSSGD or its equivalent, or mature student status.

Health Sciences

Two-Year Diploma

Nursing.

Admission Requirements: OSSGD or its equivalent, including credits in chemistry, and one other science (physics or biology) and two sciences at the senior level, or mature student status.

One-Year Certificate

Nursing assistant.

Admission Requirements: Year 2 and minimum age of 17, or mature student status.

Retraining and Apprenticeship Division

The Division offers personalized programs of study tailored to the needs and goals of the individual.

- a) Academic upgrading programs are available from basic to college entry levels. Students may enter a course at any time and graduate whenever the course objectives are met. Upgrading programs are also offered in French.
- b) Business and commerce skill programs are modularized and may lead to certification as an accounting clerk, bookkeeping clerk, clerk-typist, dicta-typist, receptionist-typist, or stenographer-general. Commercial refresher programs are also available.
- c) Technical skill programs offered include appliance servicing, carpentry, construction trades helper, cutters and skidders, diamond drilling operator, electrical apprentice (construction trades), forestry filers, forestry graders and scalers, forestry millwright, heavy-duty equipment (diesel) mechanic, hospitality administration and food service modules (bartender, cocktail waitress, coffee shop waitress, desk clerk, dining room waitress, dish machine operator, food service supervisor, sandwich board operator, short order cook), marine and snow vehicle maintenance, masonry, para-professional instructor, welder fitter, welding operator.
- d) The health science program to which the Division refers clients is the nursing assistant program.

Continuing Education

Three campuses and eight satellite centres in northeastern Ontario provide educational programs on an extension basis. A student may register for college credit in any evening or day subjects offered by any of the three campuses. Also offered are non-credit courses of a general interest nature, as well as special programs to meet community needs. The department publishes a bilingual calendar with complete course descriptions and scheduling.

Management Development Program

More than 60 courses tailored specifically to meet the professional development needs of management are available through the Department of Continuing Education. A limited number of these courses are also available in French. The department provides a consulting and referral service to help identify business and industry needs for training programs at the supervisory level. A brochure on the Management Development Program is available.

Training in Business and Industry

The purpose of this program is to work with employees who wish to be upgraded and, in some instances, retrained on the job to increase their employability and flexibility. Arrangements for registration may be made by management, staff organizations, unions or other groups of employees interested in this type of training. Detailed information is available from the Department of Continuing Education.

Modular Training

This is a co-operative effort between the college and the Industrial Training Branch of the Ministry of Colleges and Universities. The program centres around the modular training package for stationary engineers, first to fourth class.

Library

Each of the three campuses has well-equipped facilities. In all, well over 12,600 books are available, plus a variety of slides, films, film strips, tapes, VTR tapes, cartridges and cassettes.

Further Information

Director of Student Services
P.O. Box 2002
South Porcupine, Ontario P0N 1H0
Telephone (705) 235-3211

Student Affairs Officer
P.O. Box 849
Haileybury, Ontario P0J 1K0
Telephone (705) 672-3376

Registrar and Director of Student Services
P.O. Box 970
Kirkland Lake, Ontario P2N 3L2
Telephone (705) 567-9291

Department of Continuing Education
P.O. Box 2002
South Porcupine, Ontario P0N 1H0
Telephone (705) 235-3211

Retraining and Apprenticeship Counsellor
P.O. Box 2002
South Porcupine, Ontario P0N 1H0
Telephone (705) 235-3211

St. Clair College of Applied Arts and Technology

Windsor, Chatham

President: R. Bruce McAusland

Located in Canada's southernmost counties, Essex and Kent, St. Clair College is continuing in the strong tradition established by the Western Ontario Institute of Technology. In addition to the Schools of Technology, Business and Applied Arts, St. Clair's School of Health Sciences is one of the foremost in the province, offering unique programs in the paramedical field.

Recognizing Windsor's importance as a Canadian automotive centre, St. Clair's School of Technical Arts and Trades has taken a leadership role in the automotive field, as evidenced by the college's two internationally acclaimed Clean-Air Cars.

Enrolment 1976-77

Full-time 3,012

Continuing education/Extension 8,341

Campus Locations

St. Clair College has two campuses, Windsor and Chatham, offering post-secondary programs. The main campus in Windsor offers all but two of the St. Clair programs and contains the School of Retraining, while the Thames Campus in Chatham offers diploma nursing, general business, and secretarial arts. The craft and design and the mental retardation counsellor programs are offered only at the Thames Campus. In addition, there are several small centres throughout Windsor with special college and vocational preparatory programs. The Patterson Centre for Community Education offers English as a second language and a wide variety of general interest courses for the community.

General Admission Requirements

Applications are considered from:

- holders of an Ontario Secondary School Graduation Diploma (27 credits)
- holders of an Ontario Secondary School Honour Graduation Diploma
- mature students 19 years of age or older. Advanced credit and direct entry: Applicants who have completed year 5, university or business courses may be considered for exemption from all or part of the first year of some programs.

Programs Offered*Applied Arts****Six-Semester Programs**

Advertising, journalism, tourism.
Admission Requirements: OSSGD including four credits in English, "C" (60%) advanced level, "B" (70%) general level.

Four-Semester Programs

Craft and design (Thames Campus only), early childhood education, interior design, legal office administration, social science research assistant.

Admission Requirements: OSSGD. Students will also be expected to meet the following additional requirements: interior design—art credit or artistic aptitude test; legal office administration—four credits in English, "C" (60%) advanced level, "B" (70%) general level.

Two-Semester Program

Security administration.

Admission Requirement: OSSGD.

Business**Six-Semester Program**

Business administration (accounting, data processing, marketing).

Admission Requirements: OSSGD including four credits in English and two in mathematics.

Direct Entry to Second Year: 60% in year 5 accounting and year 5 economics; and, 65% in year 4 marketing and year 4 data processing.

Four-Semester Programs

General business (accounting, data processing, marketing), secretarial (executive, legal, medical).

Admission Requirements: General business—OSSGD with four credits in English and two in mathematics.

Secretarial—OSSGD with four credits in English, 45 wpm typing, 80 wpm Pitman shorthand or completion of two-semester program.

Two-Semester Program

General secretarial.

Admission Requirements: OSSGD with four credits in English.

Technology**Six-Semester Programs**

Architectural technology, chemical technology, civil engineering technology, electrical/electronics engineering technology, food processing technology, industrial engineering technology, mechanical engineering technology.

Admission Requirements: OSSGD with four credits in mathematics, four in English, one senior credit in each of physics and chemistry, "C" (60%) advanced level, "B" (70%) general level.

Direct Entry to Second Year: 60% average in year 5 physics, chemistry, calculus, functions and relations, and any language.

Four-Semester Programs

Construction technician, electronics technician, electromechanical technician, food laboratory technician, manufacturing technician.

Admission Requirements: OSSGD with four credits in mathematics, one senior credit in each of physics and chemistry.

Technical Arts and Trades

Two-Year Programs

Combustion technician, food service management, furniture renovation technician, landscaping technician, motive power technician, plastics technician, toolmaking technician.

Admission Requirements: OSSGD. For toolmaking technician, combustion technician, motive power technician and plastics technician programs, students must include four credits in mathematics.

One-Year Program

Machine shop.

Admission Requirement: OSSGD.

Health Sciences

Six-Semester Programs

Bio-science technology, diploma nursing, medical laboratory technology.

Admission Requirements: OSSGD. Those planning to take medical laboratory technology and bio-science technology are also required to have four credits in mathematics, one senior credit in physics and chemistry, "C" (60%) advanced level, "B" (70%) general level. Those planning to take diploma nursing are required to have four credits in English, two of senior biology, chemistry and/or physics, two credits in mathematics, "C" (60%) advanced level, "B" (70%) general level.

Four-Semester Programs

Animal health technician, mental retardation counsellor.

Admission Requirements: OSSGD. Also required for the animal health technician program are four credits in English, three in mathematics, and one each in biology and chemistry, "C" (60%) advanced level, "B" (70%) general level.

Three-Semester Program

Nursing assistant.

Admission Requirements: OSSGD including two science credits, two credits in English and one in mathematics.

Two-Semester Programs

Dental assistant, pharmacy assistant, preventive dental assistant.

Admission Requirements: OSSGD. Also required for the pharmacy assistant program are four credits in mathematics, one credit in chemistry and one credit in senior biology. For the dental assistant program one credit in biology is required. A student planning to take the preventive dental assistant program must be a Certified Dental Assistant (CDA) or be a graduate of an approved dental assistant program.

Retraining

The School of Retraining offers complete upgrading courses from grades 1 through 8 and year 1 through year 4, as well as the following skill courses: backhoe operator, clerk-typist, commercial accounting, commercial refresher, data processing, drafting, electronics, grooming the standardbred horse, heavy equipment operator, stenographical and clerical, teller-cashier, welder fitter.

Apprenticeship

The following apprenticeship programs are available through St. Clair College: carpentry, construction electrician, hairdressing, motor vehicle mechanic, plumber.

Continuing Education

The School of Continuing Education offers over 375 courses covering a myriad of topics, at both the Windsor and Chatham Campuses, as well as at smaller centres throughout Essex and Kent counties. Courses are offered four times per year, including summer.

Library

There are approximately 28,000 books with a growing collection of audio-visual software. Facilities also include a film booking service, phonograph records and players, typewriters, electronic calculators and cassette players available for student use.

Financial Assistance

The Student Awards Office located on the campus of St. Clair College will have information on government assistance available to full-time and part-time students. The Student Awards Office will also have details of a number of entrance scholarships awarded for outstanding academic achievement in secondary school, as well as any bursaries and scholarships offered by the college.

Counselling Services

St. Clair has an extensive counselling service open to students and the community to deal with personal, financial, academic and vocational matters.

Student Placement

The Placement Office, which also has a permanent Canada Manpower representative, will assist any St. Clair student in finding suitable part-time, summer or permanent employment.

Student Accommodation

The Student Life Office has an extensive housing list of homes in both Windsor and Chatham where out-of-town students can find suitable accommodation.

Sports

St. Clair has a complete physical education complex including gym, swimming pool, squash courts, tennis courts, athletic fields, sauna, etc., open to all students for competitive sport and recreation. Many of St. Clair's varsity teams have won provincial championships, led by the Saints hockey team which has won the OCAA Hockey Championships in four of the last seven years, and the Canadian College Championship in 1976.

Further Information

For additional information please contact Admissions Office

St. Clair College of Applied Arts and Technology

2000 Talbot Road West

Windsor, Ontario N9A 6S4

Telephone (519) 966-1656

or

Thames Campus

1001 Grand Avenue West

Chatham, Ontario N7M 5W4

Telephone (519) 354-9100

St. Lawrence College of Applied Arts and Technology

Kingston, Brockville, Cornwall

President: W.W. Cruden

Acting President (1977): P.R. Doyle

With three campuses, the college serves the six counties along the St. Lawrence River from Frontenac County in the west to Glengarry County on the Ontario-Quebec border.

Tri-Campus Enrolment 1976

Full-time 2,777

Continuing education/Extension 19,000

Admission Requirements

Subject only to numerical enrolment restrictions on a few offerings, admission to St. Lawrence College post-secondary programs is on a first-come, first-served basis for applicants possessing an Ontario Secondary School Graduation Diploma, its acceptable academic equivalent or mature student status.

Kingston Campus

Acting Principal: U. Ridley

Campus Enrolment 1976

Full-time 1,641

*Programs Offered

Applied Arts

Three-Year Diplomas

Behavioural science technology, child care worker, visual and creative arts (options in fashion, graphics, painting and sculpture).

Two-Year Diplomas

Correctional worker, early childhood education.

Business

Three-Year Diploma

Business administration (options in computer and information processing, finance, and marketing).

Two-Year Diplomas

Commercial communications, general business (options in accounting and marketing), human resources management, law office procedures, secretarial science (options in legal and medical).

One-Year Certificates

Secretarial arts (legal and medical options), secretarial level 1 (clerk-typist, dicta-typist, stenographer).

Technology

Three-Year Diplomas

Animal care technology, civil technology, electronic technology, industrial instrumentation technology, laboratory science technology, mechanical technology, medical laboratory technology, resources (environmental) engineering technology.

Two-Year Diplomas
Electronic technician, industrial instrumentation, mechanical technician.

Health Sciences
Two-Year Diploma
Nursing.

One-Year Certificate
Nursing assistant.

Continuing Education

The college offers day and evening courses designed to satisfy the requirements of three basic programs: St. Lawrence certificates in technology at three levels, advanced technical and business evening courses and examination programs for professional associations. Many general interest and recreational courses are also available.

Ontario Manpower Retraining Program

A wide range of short programs is offered including academic upgrading, language training and skill courses.

Apprenticeship Programs

Electrical construction and maintenance, hairdressing, plumbing.

Further Information

For more information about the Kingston Campus, please contact
Mr. J. T. Bryden
Registrar
Kingston Campus
St. Lawrence College of Applied Arts and Technology
P.O. Box 6000
Portsmouth Avenue
Kingston, Ontario K7L 5A6
Telephone (613) 544-5400

Brockville Campus
Acting Principal: J. Butt

Campus Enrolment 1976
Full-time 429

*Programs Offered

Applied Arts

Two-Year Diplomas
Child care worker, crafts and design, mental retardation counsellor, visual and creative arts (options in crafts and design; third year option).

Business

Three-Year Diploma
Business administration (options in finance management, industrial management and marketing management).

Two-Year Diploma
Secretarial science (executive secretary option).

One-Year Certificates
Apparel retailing, fashion retailing, secretarial level 1.

Technology

Three-Year Diplomas
Civil technology, conservation technology for historic structures, electrical power technology, electrical-telecommunications switching techniques.

Health Sciences
Two-Year Diploma
Nursing.

One-Year Certificate
Nursing assistant.

Continuing Education
Similar to Kingston Campus.

Ontario Manpower Retraining Program
Academic upgrading, commercial steno, electronic service technician.

Further Information

For more information about the Brockville Campus, please contact
Mr. R. E. Sommerville
Registrar
Brockville Campus
St. Lawrence College of Applied Arts and Technology
20 Parkdale Avenue
Brockville, Ontario K6V 5X3
Telephone (613) 345-0660

Cornwall Campus
Principal: L.J. Tremblay

Campus Enrolment 1976
Full-time 707

*Programs Offered

Applied Arts

Three-Year Diploma
Visual and creative arts (options in advertising and design, painting, crafts).

Two-Year Diplomas

Behavioural science technician (options in behaviour modification, community counselor, personnel management), early childhood education.

Business

Three-Year Diploma
Business administration (options in computer and information processing, finance, industrial management, marketing, real property administration).

Two-Year Diplomas

Assessment administration, general business (options in accounting and marketing), retail management, secretarial science (bilingual, executive, legal, medical options).

One-Year Certificates

Retailing (co-operative), secretarial level 1.

Technology

Three-Year Diplomas
Chemical technology, civil technology, electronic technology, industrial instrumentation technology, laboratory science technology, mechanical technology (option in marine engineering), medical laboratory technology.

Two-Year Diplomas

Electronic technician, instrumentation technician, mechanical technician.

Health Sciences
Two-Year Diploma
Nursing.

Continuing Education
Similar to Kingston Campus.

Ontario Manpower Retraining Program
A wide range of short programs is offered including academic upgrading, skill and service courses.

Apprenticeship Program
Motor vehicle mechanic.

Further Information

For more information about the Cornwall Campus programs and facilities, contact
Mr. A. W. Martin
Registrar
Cornwall Campus
St. Lawrence College of Applied Arts and Technology
Windmill Point
Cornwall, Ontario K6H 4Z1
Telephone (613) 933-6080

Library

Each campus maintains a comprehensive resource centre where print and non-print materials, audio-visual equipment and private study carrels facilitate individual research and learning.

Financial Assistance

The Student Awards Office of St. Lawrence College will have information on government assistance available to full-time and part-time students. The Student Awards Officer will also have details on bursaries and scholarships offered by the college.

Counselling Services

While specialized counselling resources exist in the Student Services Department on each campus, and health services and class advisors are available, the college maintains an open-door policy which encourages a student to discuss personal problems in confidence with any teaching or administrative staff member he or she chooses to approach.

Student Placement Services

A full-time Placement Officer is available at each campus to assist students in obtaining employment after graduation or part-time employment. St. Lawrence College has one of the most successful placement records in the province.

Living Accommodation

The college operates a complete co-ed residence facility on its Cornwall Campus; institutional residences are open to students in Brockville and Kingston. Information on accommodation and housing lists are available on request.

Sault College of Applied Arts and Technology

Sault Ste. Marie

President: G. Ray Lawson

Sault College is located in the City of Sault Ste. Marie, at the crossroads of northwestern and southern Ontario, and serves the 19,320 square mile District of Algoma. Sault College is set in a district of lakes, rivers and mountains and the area is rich in natural resources. College programs, such as geology, forestry and construction engineering, reflect the college's concern for the natural resources of the environment.

The college also has strong business and arts programs covering wide areas of interest, from hotel management to secretarial science, and computer technology to advertising art, pottery, painting and printmaking.

The Continuing Education Division of the college offers a wide range of courses, not only on the main Sault Ste. Marie campus, but also on the college's satellite campuses at Elliot Lake, Wawa and seventeen other locations throughout the Algoma district.

To meet the needs of students from outside the city, the college has a student residence complex, capable of housing 150 students.

Sault College graduates are welcomed throughout Canada. In the past few years the college has placed 95% of its graduates in a field related to their training.

Enrolment 1976-77

Full-time 1,000

Continuing education/Extension 6,500

Campus Locations

443 Northern Avenue
Sault Ste. Marie, Ontario P6A 5L3

550 Queen Street West
Sault Ste. Marie, Ontario P6A 1A6

3 Maple Street
P.O. Box 1490
Wawa, Ontario

180 Mississauga Ave.
Elliot Lake, Ontario P5A 1E5

General Admission Requirements

An Ontario Secondary School Graduation Diploma is the normal requirement for admission to all post-secondary programs at Sault College. Persons wishing to apply as mature students should contact the Registrar for further information.

*Programs Offered

Applied Arts

Two and Three-Year Diplomas

Art (majors in advertising art, fabric/fibre design, painting, pottery, printmaking).

Two-Year Diplomas

Early childhood education, mental retardation counsellor.

Health Sciences

Two-Year Diploma

Nursing.

Business

Three-Year Diploma

Business administration.

Two-Year Diplomas

Accounting, electronic data processing, executive secretary, finance and sales management, hotel and restaurant management, legal secretary, medical secretary.

One-Year Certificate

Chef training.

Technology—Mechanical/Electrical

Three-Year Diplomas

Electrical technology, electronics technology, mechanical technology.

Two-Year Diplomas

Aviation technology and pilot training, electrical technician, electronics technician, mechanical drafting technician, mechanical technician.

One-Year Certificates

Machine shop, welding and fabricating.

Technology—Engineering and Apprenticeship (Mechanical)

Two-Year Diplomas

Architectural drafting technician, civil engineering technician.

One-Year Certificate

Heavy equipment diesel.

Technology—Science and Resources Engineering

Third Year Diplomas

Fish and wildlife technology, forest recreation technology.

Three-Year Diploma

Medical laboratory technology (first year only).

Two-Year Diplomas

Forestry technician, geology technician, industrial chemistry technician.

Special Admission Requirements

As previously stated, normal requirements for admission to post-secondary programs at Sault College include the OSSGD. The Board of Admissions, however, stipulates particular requirements in addition to, or as part of, the OSSGD in the case of certain programs.

These requirements are: nursing—two year 4 science options (chosen from chemistry, biology, physics, human anatomy, physiology; one in chemistry strongly preferred), four English credits, two mathematics credits, and an interview. Mental retardation counsellor and early childhood education—interview.

Business administration, electronic data processing, finance and sales management, hotel and restaurant management—mathematics at year 2 of the general level (two credits).

Mechanical technician/technology, mechanical drafting technician, electrical technician/technology, electronics technician/technology—mathematics at year 4 of the general level (four credits) plus year 3 or year 4 physics of the general level.

Heavy equipment diesel, machine shop, welding and fabricating—mathematics at year 2 of the general level (two credits).

Fish and wildlife technology, forest recreation technology—a Forest Technician Diploma from an Ontario CAAT, or equivalent.

Forestry technician, geology technician, industrial chemistry technician, civil engineering technician, architectural drafting technician—mathematics at year 4 of the general level (four credits); business mathematics will not be accepted.

Aviation technology and pilot training—four credits in mathematics, plus year 3 or year 4 physics; MOT (Ministry of Transport) medical examination and 20-20 uncorrected vision in both eyes; interview.

Applicants should request more detailed information.

Retraining

College preparatory levels and skill prerequisites are available through upgrading or academic development studies for students who lack specific prerequisites.

Apprenticeship

Chef training, electrical construction, hair-dressing, motor vehicle mechanic, plumbing, steamfitting.

Continuing Education Program

A wide variety of credit and non-credit courses is offered in addition to supervisory and management courses and industrial training courses.

The former OMRP academic upgrading and retraining courses are also offered through the college.

Summer Programs

A wide variety of courses is offered through Continuing Education.

Library

Sault College has approximately 25,000 volumes in its library facilities.

Financial Assistance

The Student Awards Office of Sault College will have information on government assistance available to full-time and part-time students. The Student Awards Officer will also have details on bursaries and an emergency loan fund offered by the college.

Counselling Services

The college maintains a Counselling Centre staffed by two qualified counsellors to provide students with confidential assistance with their personal and academic problems.

Student Placement Services

A full-time Student Placement Officer is available to assist students in obtaining employment on graduation and also in obtaining part-time employment.

Living Accommodation

On-campus residence accommodation for 150 students is available. Rooming and boarding facilities are also readily available in the area.

Further Information

For additional information, please contact Registrar
Sault College of Applied Arts and Technology
P.O. Box 60
443 Northern Avenue
Sault Ste. Marie, Ontario P6A 5L3
Telephone (705) 949-2050

Seneca College of Applied Arts and Technology

North York, York Region

President: W.T. Newnam

Seneca is one of Ontario's most progressive community colleges—a multi-campus institution serving Metropolitan Toronto, the Borough of North York, and the Region of York to the north of the metropolitan area. Its student body is drawn from an area in which one-tenth of the province's population resides. Other students are attracted to Seneca from many parts of Ontario and Canada, and from other countries of the world.

Of Seneca College's six campus locations, five are in the Borough of North York, and the sixth, Seneca's King Campus, is located on a 696-acre site in York Region, about 13 miles north of Metro Toronto, just west of Aurora. The unique environment of Seneca King includes rolling hills, wooded parkland, an operating farm and a large lake.

At Seneca's Finch Campus, the college operates a 1,100-seat auditorium, a studio theatre, a planetarium, a year-round ice arena and a sports centre containing a triple gymnasium, as well as other facilities available to the entire community. Outdoor facilities include a football/soccer field and tennis courts. The college's aviation and flight technology program utilizes Buttonville airport a few miles north of the Finch Campus.

Nearly 100 diploma and certificate courses and hundreds of individual subjects are available during the day or in the evening. Full-time day students may take courses in applied arts, business, computer studies, engineering technology and secretarial studies—programs which are augmented by additional subjects in liberal studies, English and communications.

Seneca has been a pioneer in mobile learning; the college's MILE (Mobile Intensive Learning Experience) offers travel across Canada and overseas during which students earn academic credits in professional subjects, liberal studies, English and communications.

The unique programs offered at the King Campus include a college vocational program, flight services, historical/natural interpretive services, underwater skills, visual arts and instructor training.

It is possible for year 5 graduates, with specific credits, to complete a three-year diploma in two years in computer studies and engineering.

Enrolment 1976

Full-time 8,700

Part-time 300

Continuing education/Extension 52,000

Campus Locations

Borough of North York
Finch Campus
1750 Finch Avenue East

Sheppard Campus
Sheppard Avenue near Yonge Street

School of Nursing
Leslie Campus
intersection of Sheppard Avenue and
Leslie Street

Lawrence Campus
Lawrence Avenue West near Jane Street

Dufferin Campus
Finch Avenue West at Dufferin

York Region
King Campus
west of Aurora

General Admission Requirements

The basic requirement for admission to a two or three-year course is successful completion of year 4 of any four or five-year secondary school program or the accumulation of 27 credits in an ungraded system. Applicants with equivalent standing to Ontario requirements will be considered.

Applicants who have attained the age of 19 years on or before the date of commencement of their program may be considered for admission as mature students.

Note: Those programs with selective admission requirements or specific subject prerequisites are indicated with the extra requirements following the program description (except for occupational training, for which complete admission requirements are shown).

***Programs Offered**

Applied Arts

Three-Year Diplomas

Design arts (options in interior, graphics and general design).

Special Admission Requirements: College interview and portfolio; credits in art or drafting and English desirable.

Fashion arts (options in fabric, fashion and visual merchandising, production/design—men and youths, women and girls); recreation facilities administration.

Special Admission Requirement: College interview; English desirable.

Two-Year Diplomas

Applied communications, creative advertising.

Special Admission Requirements: College interview and portfolio; credits in English and social sciences desirable.

Audio-visual techniques.

Special Admission Requirements: Drafting, English, electronics and art desirable. College questionnaire.

Cosmetics.

Special Admission Requirements: College interview and questionnaire.

Early childhood education.

Special Admission Requirements: College questionnaire and interview, tuberculin test and chest x-ray. Credits in English desirable.

Fashion merchandising.

Special Admission Requirement: College interview. Credits in English desirable.

Government operations (administration, real property and assessment).

Government operations—legal administration.

Special Admission Requirements: College questionnaire and interview.

Coaching techniques.

Special Admission Requirements: Experience in competitive or modern gymnastics; college interview.

Law enforcement.

Special Admission Requirement: College interview.

Library techniques.

Special Admission Requirements: College interview and questionnaire.

Recreation facilities management.

Special Admission Requirement: College interview.

Animal health technician.

Special Admission Requirements: Year 4 English, mathematics, chemistry, biology; college questionnaire and interview. Experience with animals desirable.

Social services.

Special Admission Requirements: College questionnaire and interview.

Historical/natural interpretive services, outdoor recreation education technician, parks technician.

Special Admission Requirement: College interview.

Visual arts instructor training.

Special Admission Requirements: College interview and portfolio presentation.

Flight services.

Special Admission Requirements: Year 4 French or equivalent; college interview.

Three-Year Diploma

College vocational program.

Special Admission Requirements: Candidates must have successfully completed a three-year high school vocational program, be recommended by the principal and staff, and be age 17 during the first year of the course.

One-Year Certificate

Cosmetics.

Special Admission Requirements: College interview and questionnaire.

Business

Three-Year Diplomas

Accounting and finance, business administration, international business, marketing administration, tourist industry administration. Special Admission Requirements: Year 4 English and mathematics credits desirable.

Two-Year Diplomas

Accounting, general business, marketing.
Special Admission Requirements: Year 4 credits in English and mathematics desirable.

Secretary (executive, legal, medical).
Special Admission Requirement: Year 4 English.

One-Year Certificates

Medical dicta-typist, general dicta-typist (executive, legal, medical).
Special Admission Requirements: Minimum typing speed required 45 wpm; year 4 English desirable.

Computer Studies**Three-Year Diploma**

Computer programming and analysis.
Special Admission Requirements: Year 4 credits in English and mathematics desirable.

Two-Year Diploma

Computer programming and operations.
Special Admission Requirements: Year 4 credits in English and mathematics desirable.

Engineering/Technology**Three-Year Diploma (Eight semesters)**

General engineering technology (pre-aviation and flight technology).
Special Admission Requirements: Candidates should request detailed information concerning entrance requirements.

Three-Year Diplomas

Chemical technology, civil engineering technology (marine elective), electronic technology (options in communications, power, nuclear power and control), mechanical technology (option in nuclear power), resources engineering technology (marine elective).
Special Admission Requirements: Year 4 credits in mathematics and chemistry and year 3 credit in physics; credits in year 4 English desirable.

Laboratory technology (including electron microscopy option), pharmaceutical chemistry technology.
Special Admission Requirements: Year 4 mathematics; year 3 or year 4 physics and chemistry, Year 4 biology and English desirable.

Two-Year Diplomas

Life sciences research techniques.
Special Admission Requirements: Year 4, credits in mathematics and chemistry. Year 4 English and biology desirable.

Cartographic techniques.

Special Admission Requirements: Year 4 credits in mathematics, physics and chemistry desirable; year 3 geography and year 4 English desirable. Satisfactory stereoscopic vision and proof of no colour blindness.

Civil engineering techniques, electronic techniques (including communications and avionics option), mechanical techniques, resources engineering techniques.
Special Admission Requirements: Year 4 credit in mathematics required. Year 3 physics and year 4 English desirable.

Biological chemical technician (a consolidation of biological lab techniques, industrial chemical techniques and pollution control).
Special Admission Requirements: Year 4 credits in mathematics and chemistry required. Credits in year 4 English and biology desirable.

One-Year Certificate

Underwater skills.
Special Admission Requirements: Year 4 mathematics and chemistry, year 3 physics. College interview. Experience in diving is highly recommended.

Health Sciences**Two-Year Diploma**

Nursing.
This two-year program leads to an award of a Diploma in Nursing and, upon successful completion of the examination set by the College of Nurses of Ontario, certification as a registered nurse.
Special Admission Requirements: Ontario Secondary School Graduation Diploma which must include a minimum of year 2 mathematics and at least two of the following senior level sciences—chemistry, biology, physics. Chemistry and biology is the recommended combination. Year 4 English is desirable. College questionnaire and interview.

Dental hygienist.

Special Admission Requirements: College Dental Assistant certificate or be an Ontario Certified Dental Assistant; college testing and interview.

One-Year Certificate

Dental assistant.
Special Admission Requirements: College interview. Biology and chemistry at the senior level desirable.

Continuing Education

Diploma level study and certificates, special interest subjects and college preparatory courses are offered.

Diplomas

Accounting and finance, business, computer studies, early childhood education, fashion merchandising, law enforcement (law enforcement personnel only), library techniques, marketing, municipal clerks and treasurers, rehabilitation/counselling, social services.

Certificates

Accounting, building environment (options in design and systems), business, computer programming/operations, credit management, electron microscopy, fire safety, law enforcement, marketing, medical dicta-typist, pesticides (options in land and structural), secretary (options in executive, legal, medical), welding.

Occupational Training

College preparatory program—Semester 2.
Admission Requirement: Year 2 completed.

College preparatory program—Semester 1.
Admission Requirement: Grade 8 completed.

Electronics—radio, TV servicing.
Admission Requirements: Year 2 (year 4 graduate preferred).

Electrical distribution sales.
Admission Requirements: Year 2. Desirable background—science, technology and trades experience, drafting and electricity.

English as a second language.
Admission Requirements: 18 years of age. Canadian citizenship or landed immigrant status.

Machine shop.
Admission Requirement: Year 2.

Commercial clerical.
Admission Requirement: Grade 8.

Commercial refresher.
Admission Requirements: Completion of a full commercial course and relevant experience.

Commercial accountancy.
Admission Requirements: Year 2. Demonstrated aptitude for accounting.

Clerk-typist.
Admission Requirements: Year 2. Typing skill preferred.

Commercial stenographic—year 2, book-keeping and business machines.
Admission Requirements: Year 2. Demonstrated aptitude for bookkeeping.

Typing, general office.
Admission Requirements: Clerical experience, fluency in English, both written and oral.

Library

Each campus has excellent library facilities. The total collection includes 70,000 books, 1,100 films, numerous periodicals and audio-visual hardware.

Financial Assistance

The Student Awards Office of Seneca College will have information on government assistance available to full-time and part-time students. The Student Awards Officer will also have details on bursaries and scholarships offered by the college.

Counselling Services

Counselling centres are located at all campuses with staff available in the day and some evenings to provide students with confidential assistance in career planning, admission information, program selection and personal matters.

Student Placement Service

A Placement Office is located at the Finch Campus for all students, where assistance is offered in obtaining employment for prospective graduates and part-time work for registered students. On-site recruitment by prospective employers is arranged each January and February for graduating students.

Living Accommodation

A housing registry is maintained on each campus. Leslie Campus has a nurses' residence (unused rooms may be rented by students of other campuses). For information on the Leslie residence, telephone the Leslie Campus.

Sports

A comprehensive varsity and intramural sports program is offered for all students at each campus.

Further Information

Additional information is available by contacting the college

Finch Campus
Registrar's Office
1750 Finch Avenue East
Willowdale, Ontario M2N 5T7
Telephone (416) 491-5050 ext. 339 or 340

King Campus
Registrar's Office
Dufferin Street North
R.R. 3
King City, Ontario L0G 1K0
Telephone (416) 884-9901

Sheppard Campus
Admissions Office
42 Sheppard Avenue East
Willowdale, Ontario M2V 2Z8
Telephone (416) 223-9661

Lawrence Campus
Student Services Office
1750 Lawrence Avenue West
Toronto, Ontario M6L 1C7
Telephone (416) 249-3381

Leslie Campus
Student Services Office
1255 Sheppard Avenue East
Willowdale, Ontario M2K 1E2
Telephone (416) 494-8900

Dufferin Campus
Admissions Office
1000 Finch Avenue West
Downsview, Ontario M3J 2V5
Telephone (416) 661-6010

Sheridan College of Applied Arts and Technology

Oakville

President: John M. Porter

Opened in 1967, Sheridan serves the two growing regional municipalities of Halton and Peel, immediately west of Metro Toronto. Sheridan stresses the preparation of students for employment in their field of study whether it be business, technology, health sciences, arts or services.

While in many ways Sheridan's development has paralleled that of Ontario's other colleges, it has at the same time attained several unique aspects, such as the School of Design in Mississauga—the only crafts school in Ontario, and the Heavy Equipment School in Milton—the only one of its kind in the province.

Sheridan makes available more than 70 programs in 11 different areas or divisions, for all persons of all ages. Part-time students are welcome, whether their reason for registering is to accumulate credits toward a diploma or simply to explore an area of interest. Part-time students are also invited to register in courses offered at Sheridan during the day.

The college now has eight campuses; four serving full-time day students and four Community Services Campuses. The Community Services Campuses offer a wide variety of interest and credit courses, including management development and training, retraining and continuing education. Sheridan has continued to expand its facilities and, last January, opened the first phase of the new Brampton Campus. Located at the southeast corner of McLaughlin Rd. and Steeles Ave., it replaces the outworn facilities on Church St. in Brampton. The new campus offers programs in technology, applied arts, visual arts, business and secretarial studies.

1977 marks Sheridan's 10th Anniversary Year. The college will observe this notable phase in its history with year-long celebrations featuring special activities and programs on and off campus, such as open house, displays, sports activities, socials and many others.

Enrolment 1976-77

Full-time 4,052
Part-time 103
Continuing education/Extension 21,721

General Admission Requirements

Students wishing to enrol in one, two or three-year programs at Sheridan College must have an Ontario Secondary School Graduation Diploma. Applicants who are 19 years of age on or before the date of commencement of the program will be considered for admission as mature students. Many programs have special requirements in addition to those outlined above. Prerequisite subjects, aptitudes, portfolio assessment or an evaluation of talent through a personal interview may be required for admission to some college programs.

Campus Locations

Oakville Main Campus
Trafalgar Road
Oakville, Ontario L6H 2L1

Brampton Campus
McLaughlin Road
Box 7500
Brampton, Ontario L6V 1G6

Lorne Park Campus
School of Design
1460 South Sheridan Way
Mississauga, Ontario L5H 1Z7

Credit Valley Campus
School of Nursing
2186 Hurontario Street
Mississauga, Ontario L5B 1M9

Oakville South Campus
216 Lakeshore Road East
Oakville, Ontario L6J 1H8

Milton Campus
Heavy Equipment School
R.R. 3
Milton, Ontario L9T 2X7

Burlington Campus
2289 Fairview Avenue
Burlington, Ontario L7R 2E3

Mississauga Campus
1 Port Street East
Mississauga, Ontario L5G 4N1

*Programs Offered

Brampton Campus

Applied Arts

Two-Year Diplomas
Correctional worker, early childhood education, general arts and science (children: our challenge), security and law enforcement.

Applied Arts, Business and Secretarial Studies

Three-Year Diploma
Business administration.

Two-Year Diplomas

Business, hotel and restaurant administration, motor carrier administration, retail management arts, secretarial (executive, medical, legal and word processing options).

One-Year Certificates

Intensive secretarial, travel counselor.

Applied Science and Technology

Three-Year Diploma
Engineering technology (options in chemical, electronic and mechanical engineering).
Special Admission Requirements: Applicants are required to have senior level chemistry and physics, as well as fourth year level mathematics. Students with year 5 (grade 13) credits in mathematics, physics and chemistry are eligible for direct entry into year 2 with the understanding that they pick up year 1 computer science and electricity.

Two-Year Diplomas

Technician programs in chemical laboratory, civil construction, electronics, engineering drafting, mechanical.

Special Admission Requirements: Applicants to the chemical laboratory program are required to have standing in fourth year level mathematics and chemistry. Engineering drafting, civil construction, electronics and mechanical technician programs require applicants to have fourth year level mathematics.

One-Year Certificates

Animal care, hearing aid specialist, home appliance service technician, quality assurance.

Special Admission Requirements: Animal care, senior level chemistry and biology; home appliance, senior level mathematics and one senior science; quality assurance, fourth year level mathematics and one senior science; hearing aid specialist, one senior level science.

Liberal and General Studies

Two-Year Diploma

General arts and science (liberal studies elective).

Visual Arts

Three-Year Diploma
Illustration.

One-Year Certificate
Art fundamentals.

Special Programs

Unique programs include animal care, illustration and art fundamentals—a one-year certificate program for students with no formal art background.

Oakville Campus

Applied Arts

Two-Year Diplomas

Athletic training and management, Canadian nanny, community planning, developmental care for the mentally retarded, early childhood education (montessori or nursery option), general arts and science (elective in children: our challenge), human services administration, instructional techniques (audio-visual technician, instructional assistant), library techniques, library techniques for health science, research techniques, retail management arts, security and law enforcement, social service worker, transportation planning.

One-Year Certificates

Family day care (mature women), professional modelling and related careers, travel counsellor.

Special Programs

Students applying for programs in social services, correctional worker (Brampton), security and law enforcement, research techniques and human services administration are admitted to a common first semester (human studies). Admission to the second semester is determined by personal suitability and successful completion of the human studies semester.

Business and Secretarial Studies

Three-Year Diploma

Business administration (options in accounting and finance management, corporate administration, sales and marketing management, traffic management and distribution).

Two-Year Diplomas

Business (accounting, sales and marketing, administration and retail management), secretarial (options in executive, legal, medical, word processing).

One-Year Certificates

Business retailing, intensive secretarial.

Communications

Direct entry into second year of journalism or advertising is offered to university students who have completed their B.A. or have several successful years toward it.

Two-Year Diplomas

Advertising, journalism.

Special Admission Requirements: Students should have standing in year 4 English or be above average in English expression. Each applicant is required to submit a 200-300 word written sample (details provided when application received).

Computer Studies

Three-Year Diplomas

Business computer systems, computer science technology.

Two-Year Diploma

Electronic data processing.

English and Media Studies

Two-Year Diplomas

Media arts (electives in cartooning and graphic story arts), performance studies (electives in music theatre, theatre, technical and production theatre).

Special Admission Requirements: Personal interviews are advisable. For admission to media arts, cartooning and graphic story arts, applicants must present a portfolio of work for assessment; auditions are required for music theatre and theatre electives.

One-Year Certificates

Media fundamentals, performance studies fundamentals.

Liberal and General Studies

Two-Year Diploma

General arts and science (liberal studies elective).

Visual Arts

Three-Year Co-operative Degree/Diploma

Art education offered in conjunction with Erindale College (University of Toronto). **Special Admission Requirements:** Applicants must meet admission requirements at Erindale College—acceptable year 5 standing, and at Sheridan—presentation of a portfolio showing artistic interest and potential. Graduates receive a B.A. from Erindale (completion of 10 credits) and a diploma (five credits) from Sheridan. One further year at an Ontario faculty of education provides a Type B Teaching Certificate.

Three-Year Diplomas

Animation, graphic design.

Two-Year Diplomas

Applied photography, fashion technique and design (options in dress design, knit design). **Special Admission Requirements:** Visual arts students are usually required to have formal art training in secondary school or may be required to submit a portfolio for assessment or have an evaluation of talent through a personal interview. For dress or knit design options, some creative talent and an art or craft background is advised.

One-Year Certificate

Art resources.

Special Third Year Program

Applied photography.

Special Programs

Animation, a three-year program, is the only one of its kind in North America. Art resources is a special certificate program for students unable to attend college on a regular full-time day study basis. Art education, a three year co-operative program between Sheridan and Erindale College (University of Toronto), provides students with academic background and practical training necessary for teaching art in Ontario schools. Programs in Canadian nanny and part-time family day care are offered through the School of Applied and Liberal Studies. Also unique at Oakville are the two-year athletic training and management program, media arts, fashion technique and design (options in knits and dress) and human services administration.

Mississauga Campus School of Design

Three-Year Diploma

Crafts and design (studio options in ceramics, fabrics, furniture, glass and metal). **Special Admission Requirements:** Applicants may be required to submit a portfolio and/or have a personal interview. Those with past craft education and/or experience may be considered for direct entry into year 2 of the program.

Credit Valley Campus

Two-Year Diploma (six semesters)

Nursing.

Special Admission Requirements: Ontario Secondary School Graduation Diploma with two science courses at the senior level of study (year 3 or above) in chemistry, physics or biology. An interview is also required to determine the suitability of the applicant for the program.

One-Year Certificates

Professional modelling and related careers, travel counsellor.

Milton Campus

One-Year Certificate

Heavy equipment construction techniques.

Lorne Park Campus

Special Program

Three-year crafts and design with studio options in metals, ceramics, glass, wood, and fabrics (printing and weaving).

Community Services

The aims of Community Services are to make the human and physical resources of the college available to as many people in the community as possible and to work with other community groups toward desirable social and educational goals. To meet these aims Community Services has three divisions: Continuing Education, Management Development and Training, and Retraining.

Continuing Education offers a wide variety of credit and special interest courses, as well as workshops and seminars, at the four regular day-time campuses. In addition, there are special Continuing Education Campuses to meet the needs of people in Burlington, Oakville South and Mississauga. Credit courses may lead to the granting of certificates and/or diplomas.

The Management Development and Training Division offers a variety of courses and programs to business, industry, education, associations, etc. in the Peel and Halton regions. Courses are offered in the Management Studies Program, the Training in Business and Industry Program, the Canada Manpower Industrial Training Program or regular college courses and specially developed courses to meet the student need in the community. Courses are conducted days, evenings or weekends, in the college, in the employer's place of business or in some special location required by the course. A wide variety of courses are conducted to meet individual needs, to upgrade and improve job skills, management skills or technical understanding. The costs of these courses may be shared by the employer, employee and the college or subsidized by the Province of Ontario or in some cases totally funded through Canada Manpower plans for industrial training. Many of the courses carry Sheridan College credit toward a Management Studies Certificate or other Sheridan College certificates and diplomas.

Generally speaking, the main objective of the Retraining Division is to offer programs which provide students with skills that will allow them to gain employment, or that will improve their academic background so they will be able to pursue further studies at a higher level. Most of the programs are at the secondary level and are supported by the Federal Department of Manpower and Immigration. Individuals who are referred to the college by Manpower Centres have their fees paid by this agency and, in many cases, a living allowance is provided. Interested individuals should contact their local Canada Manpower office for details. Those who do not qualify for manpower assistance to take these programs can apply to the college to be accepted on a fee-paying basis. The division does offer programs which are not supported by federal funds and also offers programs at the post-secondary level. The Oakville South Campus offers a variety of commercial courses in typing, stenography

and accounting, in addition to English as a second language, academic upgrading and quality control. At Milton, the Heavy Equipment School has programs for heavy equipment operator and heavy duty equipment mechanic. At Brampton and Mississauga there are programs in English as a second language.

Library

The college libraries offer a rapidly expanding selection of modern texts, periodicals and audio-visual material. The libraries at the Oakville Campus include a business and general collection in the main library, an extensive art collection in the School of Visual Arts, and resource centres in the Schools of Applied and Liberal Studies and Business and Secretarial Studies. Brampton's library serves technology and science students and the library at the School of Design in Mississauga carries a variety of materials for design and crafts students. Unique to each library is a Career Information Centre.

Financial Assistance

The Student Awards Office of Sheridan College will have information on government assistance available to full-time and part-time students. The Student Awards Officer will also have details of any bursaries or scholarships offered by the college. Sheridan presents awards and prizes to students in recognition of outstanding academic achievement. Most of these awards are donated by business and industry. Students are automatically considered for these awards and do not have to apply.

Counselling Services

Full-time professional counsellors are employed by the college to assist prospective and current students with career planning, academic concerns, personal and other matters. Confidential discussions can be arranged by calling the Counselling Office at the Brampton, Oakville, Mississauga or Credit Valley Campuses.

Student Placement

The Student Placement Service at Sheridan College arranges to publicize widely the availability of Sheridan graduates to prospective employers, and to inform students of full-time, part-time and summer employment opportunities. On-campus interviews are held in late January and early February. Literature relating to employment, such as employer's literature or advice on how to job hunt and how to prepare for an interview, is available from the Placement Office.

Accommodation

The Credit Valley Campus in Mississauga provides student housing. Although housing is considered to be primarily the students' responsibility, the college assists by maintaining a housing registry which lists suitable housing in private homes or apartments in the college campus area. The registry also contains maps, transportation schedules and other information which will be of use to students in their search for accommodation.

Transportation

Information on routes to and from Sheridan campuses is available from the Student Services Office, Oakville Campus.

Sports

A portion of the student activity fee paid at the time of registration supports the athletic programs offered at various on and off-campus locations. The college's rapidly expanding Athletic and Recreation Department is divided into three distinct areas: varsity sports, intramural sports, and recreational services and leisure time activities. Sheridan operates its own exercise room and sauna, tennis courts and track and field.

A multi-purpose sports complex including gymnasium enhances sports and leisure time activity at the new campus in Brampton. A full complement of sports is being planned for students at all levels from varsity and intramural to recreational clubs and instructional programs.

Additional Costs

The estimated cost of books, supplies and instruments for the academic year varies from \$10 to \$1,500, depending on the type of program. Please consult the college calendar or phone for more information.

Further Information

Please contact
Registrar or Information Services
Sheridan College of Applied Arts and Technology
Trafalgar Road
Oakville, Ontario L6H 2L1
Telephone
(416) 845-9430 (Oakville)
(416) 823-9730 (Clarkson)
(416) 632-7081 (Burlington)

Sir Sandford Fleming College of Applied Arts and Technology

Peterborough, Lindsay

President: D. B. Sutherland

Although best known provincially for its forestry and natural resources programs, Sir Sandford Fleming College has several other programs of unique interest to both students and employers, including electro-mechanical technology, tourism and transportation, recreational vehicles-marina management, fine arts administration and art conservation techniques.

Sir Sandford Fleming College is located in the heart of the Kawartha Lakes region, with campuses in Peterborough and Lindsay, in addition to a summer campus overlooking Head Lake in Haliburton Village, which is the home of the Haliburton School of Fine Arts. The Natural Resources Division is located on the Lindsay Campus, while the Business, General and Applied Arts, Health Sciences and Technical Divisions are at Peterborough.

Sir Sandford Fleming attracts a larger percentage of students from its population base than any other Ontario college. Heavy emphasis is placed on laboratory work, field placement and co-operative training.

Enrolment 1976-77

Full-time 2,057

Continuing education/Extension 9,100

***Programs Offered**

Peterborough Campus

Business

Three-Year Diplomas

Business administration (business computer systems, financial management, marketing management and general options), tourism and transportation (stresses a broad understanding and developmental view of the total field of travel and tourism industry).

Admission Requirements: Year 4 of an Ontario secondary school honour graduation program with English (year 4) and mathematics (years 3 and 4). Applicants with an OSSGD and outstanding success in English and mathematics may also be considered. Out-of-province and mature students will be considered on their merits (testing may be required). Students with an OSSHGD may enter the second year of the business administration program upon successful completion of pre-admission courses offered during a four-week period in August.

Two-Year Diplomas

Business studies (accounting, data processing, marketing, merchandising, general options), recreational vehicles-marina management (combining business and mechanical aspects of the industry), secretarial arts (specializations in executive, legal, medical, technical).

Admission Requirements: OSSGD with standing in year 4 mathematics. Out-of-province and mature students will be considered on their merits (testing may be required). Mathematics is not required for secretarial programs.

One-Year Certificate

Retailing (development of merchandising and selling skills leading to careers in the various functional areas of a retail operation).

Admission Requirements: OSSGD or mature student status.

Secretarial (executive, legal, medical, scientific).

Admission Requirements: OSSGD with 50 wpm typing and 80 wpm shorthand.

General and Applied Arts

Three-Year Diploma

Art conservation techniques.

Admission Requirements: OSSGD or equivalent or mature student status. Secondary school background in chemistry or art. The applicants will be tested for manual dexterity and colour perception.

Two-Year Diplomas

Early childhood education, fine arts administration, general arts and science, home economics, law and security administration, recreation leadership, social services.

Admission Requirements: OSSGD. Mature students will be considered on their merits (testing may be required). Interview, age and physical requirements are considered for some programs.

Technical

Three-Year Diplomas

Civil, electro-mechanical and electronic (computer) technology.

Admission Requirements: OSSHGD or equivalent, with credits in mathematics, English and physics or chemistry. Students with an OSSGD, with credits in mathematics, English and physics or chemistry will be considered on an individual basis. Students with an OSSHGD, with year 5 calculus, English, physics and chemistry may enter the second year of the program. This may be conditional on successful completion of a one-week pre-admission course in August.

Two-Year Diplomas

Audio-visual, construction engineering, electrical, electronics, engineering drafting, laboratory, manufacturing (industrial engineering and mechanical options), photographic sales, technician programs.

Admission Requirements: OSSGD with English, mathematics and a science.

One-Year Certificates

Industrial maintenance mechanic, materials testing technician, technical assistant programs.

Admission Requirements: OSSGD with English, mathematics and a science. All applicants are treated on an individual basis, so that students in special circumstances will be considered.

Lindsay Campus

Natural Resources

Three-Year Diploma

Thematic cartography.

Admission Requirements: OSSGD with year 4 mathematics and English.

Fish and wildlife technology, forest technology, geological technology, outdoor recreation technology.

Admission Requirements: Appropriate technician diploma.

Two-Year Diplomas

Farm management, fish and wildlife technician, forest technician, general arts and science, geological technician, heavy equipment technician, resource drilling technician.

Admission Requirements: OSSGD from any program with mathematics and English.

Haliburton School of Fine Arts

For registration and information please write to

Haliburton School of Fine Arts

P.O. Box 339

Haliburton, Ontario K0M 1S0

Brealey Campus

Health Sciences

Two-Year Diploma

Nursing.

The nursing period is planned over a two-year period. Graduates can qualify for registered nurse certification in the Province of Ontario. Trends in health care provided in acute care settings and extended care facilities are reflected throughout the program, concurrent with nursing theory. Clinical assignment is provided in a number of community agencies, as well as in the acute care settings of general hospitals.

Graduates of this program are prepared to practice nursing in first level staff nurse positions, for which the basic requirement is certification as a registered nurse.

Further information should be requested from the Nursing Division, Sir Sandford Fleming College, Brealey Campus, Peterborough, Ontario K9J 7B1.

Programs Considered for 1977-78

Food and beverage management, lumber grader millwright, resource survey technician, sawyer.

Continuing Education

Sir Sandford Fleming College has comprehensive continuing education evening programs in applied arts, business and technical areas. Not only do these programs lead to diplomas or certificates at levels similar to the day-time programs, but they also provide an important contribution to the professional development of the student's career.

Many non-credit subjects of general interest to the community are offered in Peterborough, Lindsay and Cobourg. Fine arts courses are offered from October to June. The Haliburton School of Fine Arts is held in July and August of each year.

Inquiries should be directed to the Continuing Education Division, Sir Sandford Fleming College, Peterborough, Ontario K9J 7B1 Telephone (705) 743-5624 ext. 40.

Retraining Division

The Retraining Division maintains the emphasis on the individual student. The academic upgrading program and commercial training programs are presented in individual learning packages. This allows the student to begin a program on the first day of the week and to progress at his or her own rate.

The Division offers a variety of programs such as:

- a) basic training for skill development—from semi-literacy to college entry;
- b) commercial training—accounting, clerical, clerk-typist, dicta-typist, refresher, stenographic, teller-cashier;
- c) technical—general carpentry, industrial orientation, machine shop, marine and small powered equipment mechanics, welder fitter.

Library

The library has facilities at each of the campus locations. It holds a total collection of 550 periodicals and over 25,000 volumes.

Financial Assistance

The Student Awards Office of Sir Sandford Fleming College will have information on government assistance available to full-time and part-time students. The Student Awards Officer will also have details on bursaries and scholarships offered by the college.

Counselling Services

The college maintains a full-time Counselling Centre with qualified counsellors to provide students with confidential assistance in their personal problems.

Student Placement Services

A full-time Student Placement Officer is available to assist students in obtaining employment on graduation and also in obtaining part-time employment.

Living Accommodation

Residence accommodation is not available at the college. However, room and board facilities are available in the area.

Further Information

For further information on admission requirements and programs offered, please contact

Registrar

Sir Sandford Fleming College of Applied Arts and Technology

Brealey Drive

Peterborough, Ontario K9J 7B1

Telephone (705) 743-5610

Information on student financial assistance may be obtained from

Student Awards Officer

Sir Sandford Fleming College of Applied Arts and Technology

Brealey Drive

Peterborough, Ontario K9J 7B1



Apprenticeship

Apprenticeship, the oldest system of formal training, is one of the most successful, sensible and practical ways of learning a skilled trade.

Throughout history, would-be craftsmen and artisans have trained under the careful supervision of the masters and journeymen of their chosen trade. To some extent, the master stood in the position of a parent, and was responsible for the apprentice's behaviour and upbringing. The apprenticeship training period varied greatly, anywhere from two to 15 years, according to the amount of skill required for the trade.

Apprenticeship continues to be an extremely important method of training and education. Technology has created a demand for new skills while increasing the demand for the more traditional ones. Capable, well-trained apprentices can efficiently fill the labour market's need for skilled tradespeople.

In Ontario, the Ministry of Colleges and Universities administers the apprenticeship training program, through the local Industrial Training Branch offices.

How does Ontario's apprenticeship program work?

The theory behind apprenticeship training is simple – you learn best by doing. Ontario's apprenticeship program consists of periods of training on-the-job and related classroom instruction in a college of applied arts and technology. Depending on the trade you choose, the term of apprenticeship varies between two and five years, approximately. During this time, you are contracted to an employer who must ensure that you become fully acquainted with all aspects of that particular trade.

Upon successfully completing your training, you receive a "Certificate of Apprenticeship" which indicates that you have become a fully qualified

tradesperson or journeyman. In some trades, a mark of 70 per cent or higher in your final examination allows your certificate to bear the added distinction of the "Interprovincial Red Seal" which indicates that your qualifications are acceptable across Canada.

Two kinds of regulated trades exist in Ontario. Those with *compulsory* certification ensure that only holders of the "Certificate of Qualification" and registered apprentices can practice that particular trade. Every holder of a "Certificate of Apprenticeship" automatically qualifies for a "Certificate of Qualification" in trades where they are available. Trades with *voluntary* certification do not require those practicing the trade to have a "Certificate of Qualification".

However, this certificate indicates that the holder has attained a certain level of skill and expertise in his or her trade.

Two to five years is a long time. How can I support myself?

One of the major advantages of acquiring skills through apprenticeship is that you *earn while you learn*. As employees, apprentices are paid a percentage of the current wage for journeymen but never less than Ontario's minimum wage. The exact rate progression varies, but an apprentice generally starts at a minimum of 40 per cent of a journeyman's wage. As skills and experience increase, so does an apprentice's rate of pay. By the time training has been completed, an apprentice will be earning up to 90 per cent of a journeyman's wage.

How do I find out more?

If you are in secondary school in Ontario, consult your high school guidance counsellor for more information about the various apprenticeship possibilities. He or she will put you in touch with a counsellor at the nearest office of the Industrial Training Branch (ITB) of the Ministry of Colleges and Universities. If you are not in school, go directly to the nearest

Industrial Training Branch office and make an appointment with one of the apprenticeship counsellors. A complete list of regional, local and district offices can be found at the end of this section.

Discussing your educational background, interests, aptitudes and career goals with your ITB counsellor will help you determine which trade would be most suitable. Although most of the trades are in need of skilled journeymen, some areas of the province have less openings in certain trades. An Industrial Training Branch counsellor will be able to give you more details concerning the employment prospects of the trade you have chosen.

Can I become an apprentice?

Generally, if you are 16 years of age or older and have completed year 2 (grade 10) of a secondary school program, you are eligible for apprenticeship training. Depending on the trade and your location in the province, this standard can vary. Those who pass a Progressive Achievement Test administered by the Industrial Training Branch or an equivalent test will also be considered for apprenticeship training.

School Credits

Academic achievement beyond the level normally required for a particular trade can often reduce the time spent in apprenticeship.

Students normally receive a 50-hour time reduction from each apprenticeship period for each academic grade level achieved beyond the apprenticeship entry requirement.

For example, the education requirement for entry into apprenticeship training for the regulated trade, Motorcycle Mechanic, is grade 10 or its equivalent. The apprenticeship consists of three periods of 1,800 hours each and two in-school sessions of eight weeks each. Students entering training with grade 11 are eligible for a time reduction of 50 hours (50-hour time reduction for each grade level beyond the

apprenticeship entry level) from each of the three apprenticeship periods. See page 63.

Students may receive additional 50-hour time reductions for each credit, related to the specific trade, achieved above the entry level. Your guidance counsellor will be able to help you identify these credit subjects.

Which employers will hire apprentices?

When you have talked to an Industrial Training Branch counsellor and confirmed your eligibility for apprenticeship training, the next step is finding an employer who will participate in the apprenticeship program. Many employers realize that apprenticeship is a wise investment in the future and are willing to provide you with the necessary training. Your counsellor can tell you which employers in your area are likely to hire apprentices.

Once an employer has been found, you will sign a contract with him specifying conditions for work, hours, wages and so on. If you are under 18 years of age, a parent or guardian must also sign. Your contract is then registered with the Industrial Training Branch.

During your training period, an Industrial Training Branch counsellor will visit you and your employer to ensure that the training program, rates of pay and working conditions are satisfactory.

Contact

For more information, please contact these Industrial Training Branch offices directly.

Regional Offices:

Toronto (416) 965-6461
London (519) 453-7190
Ottawa (613) 731-7100
Sault Ste. Marie (705) 949-3331

District and Local Offices:

Barrie (705) 728-1951
Belleville (613) 968-8671
Brantford (519) 756-5197
Brockville (613) 342-9447
Chatham (519) 354-9100
Cornwall (613) 933-6080
Guelph (519) 821-3770
Hamilton (416) 527-9105
Kenora (807) 468-3128
Kingston (613) 544-5400
North Bay (705) 474-5546
Oshawa (416) 576-0171
Owen Sound (519) 376-5790
Pembroke (613) 735- 041
Peterborough (705) 743-4172
Sarnia (519) 542-7751
St. Catharines (416) 684-8543
Stoney Creek (416) 664-5116
Stratford (519) 273-1520
Sudbury (705) 560-3440
Thunder Bay (807) 475-1605
Timmins (705) 235-3644
Waterloo (519) 884-5460
Windsor (519) 254-8654

Trade Descriptions

Apprenticeship training is available in regulated as well as non-regulated trades. This section describes the 16 regulated trades where certification is compulsory, and their educational requirements, length of program, credits for academic achievement, minimum wages and duties. A listing of the regulated trades with voluntary certification and a partial listing of non-regulated trades is also given in this section. For further information on these regulated and non-regulated trades, see the brochure entitled *Apprenticeship and You*, obtainable from the local Industrial Training Branch offices listed on page 61 or from

Information Resources Branch
Ministry of Colleges and Universities
Mowat Block, Queen's Park
Toronto, Ontario M7A 1B9
Telephone (416) 965-6134

Regulated Trades with Compulsory Certification

*Service Trades

Barber

Educational requirements:
Grade 9 or equivalent.

Length of program:

Three periods of 1,500 hours including one in-school session of 18 weeks.

Credits for academic achievement:
See page 60—School Credits.

Minimum wages:

50, 70 and 90 per cent of journeyman's wage per period.

Duties:

Cuts and trims hair; tints, bleaches or dyes hair; shampoos hair and scalp; gives hair and scalp treatments or facial massages; cleans or dresses artificial hair pieces; shapes, colours or treats eyebrows or eyelashes; curls or waves hair; combs or brushes hair; shaves or trims beards or moustaches, and performs any other operation with respect to dressing hair to obtain an intended effect or according to a particular style; represents him or herself to the public as a barber only.

Other information:

A person may also become a barber by registering with a licensed private school and paying the tuition fee. The satisfactory completion of 1,200 hours of training and instruction makes one eligible to write the departmental examination and if successful, to receive an Interim Certificate of Qualification. The candidate is then required to spend one year working in the trade itself, under supervision, before being granted a Subsisting Certificate of Qualification.

Hairstresser

Educational requirements:
Grade 9 or equivalent.

Length of program:

Three periods of 1,500 hours including two in-school sessions of eight weeks each.

Credits for academic achievement:

See page 60—School Credits.
Secondary school course.

Minimum wages:

50, 70 and 90 per cent of journeyman's wage per period.

Duties:

Tints, bleaches or dyes hair; shampoos hair and scalp; gives hair and scalp treatments; cleans or dresses artificial hair pieces; cuts and trims hair; shapes, colours or treats eyebrows or eyelashes; curls or waves hair by any means; combs or brushes hair; performs any other operation with respect to dressing hair to obtain an intended effect or according to a particular style.

Watch Repairer

Educational requirements:
Grade 10 or equivalent.

Length of program:

Three periods of 1,800 hours including two in-school sessions of 24 and eight weeks each.

Credits for academic achievement:
See page 60—School Credits.

Minimum wages:

40, 60 and 80 per cent of journeyman's wage per period.

Duties:

Makes or fits parts for timepieces; repairs, alters, takes apart, assembles or reassembles timepieces or any part thereof; determines the condition of timepieces and estimates the repairs necessary; cleans, polishes or lubricates timepiece movements or any part thereof; tests, adjusts or regulates timepieces or any part thereof.

Other information:

A person may also become a watch repairer by registering in an approved course at a college of applied arts and technology. Satisfactory completion of the course will make one eligible to write the departmental examination, and if successful to receive a Certificate of Qualification. Persons who complete only part of an approved training course may complete their training as apprentices and on registration will receive full credit for the training previously taken.

*Construction Trades

Electrician (Construction and Maintenance)

Educational requirements:
Grade 10 or equivalent.

Length of program:

Five periods of 1,800 hours including three in-school sessions, two of seven weeks each and one of eight weeks.

Credits for academic achievement:

200 hours in each period for grade 12.

Minimum wages:

40, 50, 60, 70 and 80 per cent of journeyman's wage per period.

Duties:

Lays out, assembles, installs, repairs, maintains, connects or tests electrical fixtures, apparatus, control equipment and wiring for systems of alarm communication, light, heat or power in buildings or other structures; plans proposed installations from blueprints, sketches or specifications or installs panel boards, switch boxes, pull boxes and other related electrical devices; measures, cuts, threads, bends, assembles and installs conduits and other types of electrical conductor enclosures that connect panels, boxes, outlets and other related electrical devices; installs brackets, hangars or equipment for supporting electrical equipment; installs in or draws electrical conductors through conductor enclosures; prepares conductors for splicing of electrical connections, secures conductors connections by soldering or other mechanical means, or reinsulates and projects conductor connections, or tests electrical equipment for proper function.

Electrician (Domestic and Rural)

Educational requirements:
Grade 10 or equivalent.

Length of program:

Four periods of 1,800 hours including three in-school sessions, two of seven weeks each and one of eight weeks.

Credits for academic achievement:

200 hours in each period for grade 12.

Minimum wages:

40, 50, 60 and 70 per cent of journeyman's wage per period.

Duties:

Performs the work of an electrician in the construction, erection, repair, remodelling or alteration of houses, multiple dwelling buildings containing six or fewer dwellings, or buildings or structures used for farming; performs maintenance to electrical equipment in houses, multiple dwelling buildings containing six or fewer dwellings, or farms.

Plumber

Educational requirements:
Grade 10 or equivalent.

Length of program:

Five periods of 1,800 hours including three in-school sessions, one of eight weeks and two of seven weeks each.

Credits for academic achievement:

See page 60—School Credits.

Minimum wages:

40, 50, 60, 70 and 80 per cent of journeyman's wage per period.

Duties:

Lays out, assembles, installs, maintains or repairs in any structure, building or site, piping, fixtures and appurtenances for the supply of water for any domestic or industrial purpose or the disposal of water after it has been used for a domestic or industrial purpose; connects to piping any appliance that uses water supplied to it or disposes of waste; installs the piping for any process, including the conveyance of gas, or any tubing for a pneumatic or air-handling system; makes joints in piping; reads and understands design drawings, manufacturers' literature and installation diagrams for piping and appliances connected thereto; *does not include* a person engaged in the manufacture of equipment or the assembly of a unit prior to delivery to a building, structure or site, the laying of metallic or non-metallic pipe into trenches to form sanitary or storm sewers, drains or water mains, or the repair and maintenance of the installation in an operating industrial plant.

Refrigeration and Air-Conditioning Mechanic

Educational requirements:
Grade 10 or equivalent.

Length of program:

Five periods of 1,800 hours including three in-school sessions, one of eight weeks and two of seven weeks each.

Credits for academic achievement:
See page 60—School Credits.

Minimum wages:

40, 50, 60, 70 and 80 per cent of journeyman's wage per period.

Duties:

Installs or assembles any component of a refrigerating or air-conditioning system; assembles or connects any pipe or duct used in piping refrigerant or conditioned air; overhauls or repairs any equipment used in refrigerating or air-conditioning systems; tests, adjusts or instructs in the operation of refrigerating or air-conditioning systems; *does not include* a person who repairs or installs hermetically sealed domestic self-contained appliances of not more than 9,000 B.T.U.

Sheet Metal Worker

Educational requirements:
Grade 10 or equivalent.

Length of program:

Five periods of 1,800 hours including three in-school sessions, one of eight weeks and two of seven weeks each.

Credits for academic achievement:
See page 60—School Credits.

Minimum wages:

40, 50, 60, 70 and 80 per cent of journeyman's wage per period.

Duties:

Manufactures, fabricates, assembles, handles, erects, installs, dismantles, reconditions, adjusts, alters, repairs or services all ferrous and non-ferrous sheet metal work of No. 10 U.S. gauge or of any equivalent or lighter gauge and all other materials used in lieu thereof; reads and understands shop and

field sketches used in fabrication and erection, including those taken from original architectural and engineering drawings or sketches; *does not include* a person employed in production commonly known as mass production.

Steamfitter

Educational requirements:
Grade 10 or equivalent.

Length of program:

Five periods of 1,800 hours including three in-school sessions, one of eight weeks and two of seven weeks each.

Credits for academic achievement:
See page 60—School Credits.

Minimum wages:

40, 50, 60, 70 and 80 per cent of journeyman's wage per period.

Duties:

Lays out, assembles, installs, maintains or repairs any heating system, cooling system, process system or industrial system; installs or connects piping in any building or structure; installs the piping for any process, including a process that conveys gas, or the tubing for any pneumatic or air-handling system; reads and understands design drawings, manufacturers' literature, and installation diagrams for any system referred to; *does not include* a person engaged in the manufacture of equipment or the assembly of a unit prior to delivery to a building, structure or site.

Motive Power Trades*Alignment and Brakes Mechanic**

Educational requirements:
Grade 10 or equivalent.

Length of program:

Three periods of 1,800 hours including two in-school sessions of eight weeks each.

Credits for academic achievement:
See page 60—School Credits.

Minimum wages:

50, 70 and 90 per cent of journeyman's wage per period.

Duties:

Adjusts, maintains and repairs suspension and brake systems, wheels, rims, tires and tubes; balances wheels; inspects for frame alignment and re-aligns as necessary.

Auto Body Repairer

Educational requirements:
Grade 8 or equivalent.

Length of program:

Four periods of 1,800 hours including two in-school sessions of eight and seven weeks each.

Credits for academic achievement:
See page 60—School Credits.

Minimum wages:

50, 60, 80 and 90 per cent of journeyman's wage per period.

Duties:

Hammers out dents in body panels, fenders and skirting; files, grinds, sands, fills and finishes ready for priming, any dented, welded or pieced area; by heat treatment, shrinks or stretches metal panels; welds breaks in body area; tests for and corrects faulty alignment of frames; paints and glazes; removes and installs body parts.

Fuel and Electrical Systems Mechanic

Educational requirements:
Grade 10 or equivalent.

Length of program:

Three periods of 1,800 hours including one in-school session of eight weeks.

Credits for academic achievement:
See page 60—School Credits.

Minimum wages:

50, 70 and 90 per cent of journeyman's wage per period.

Duties:

Repairs and adjusts fuel systems, installs, repairs and removes ignition systems, generators, alternators, starters, coils, panel instruments, wiring and other electrical systems and equipment; performs a complete tune-up of an engine; installs, inspects, maintains and removes motor vehicle air-conditioning systems.

Motorcycle Mechanic

Educational requirements:
Grade 10 or equivalent.

Length of program:

Three periods of 1,800 hours including two in-school sessions of eight weeks each.

Credits for academic achievement:
See page 60—School Credits.

Minimum wages:

50, 70 and 90 per cent of journeyman's wage per period.

Duties:

Disassembles, adjusts, repairs and reassembles engines, power trains, suspensions and all systems of motorcycles, and tests them for serviceability.

Motor Vehicle Mechanic

Educational requirements:
Grade 10 or equivalent.

Length of program:

Five periods of 1,800 hours including three in-school sessions of eight weeks each.

Credits for academic achievement:
See page 60—School Credits.

Minimum wages:

50, 60, 70, 80 and 90 per cent of journeyman's wage per period.

Duties:

Disassembles, adjusts, repairs and reassembles engines, transmissions, clutches, rear ends, differentials, brakes, drive shafts, axles and other assemblies; tests for and corrects faulty alignment of wheels and steering mechanisms, manual or power; repairs or replaces suspension systems including shock

absorbers and spring assemblies; installs, repairs and removes ignition systems, generators, alternators, starters, coils, panel instruments; wiring and other electrical systems and equipment; repairs and adjusts fuel systems; performs complete engine tune-ups; installs, inspects, maintains and removes motor vehicle air-conditioning and refrigeration systems.

Transmission Mechanic

Educational requirements:
Grade 10 or equivalent.

Length of program:

Three periods of 1,800 hours including two in-school sessions of eight weeks each.

Credits for academic achievement:

See page 60—School Credits.

Minimum wages:

50, 70 and 90 per cent of journeyman's wage per period.

Duties:

Repairs clutches, standard and automatic transmissions, and drive shafts; is familiar with engine operation in relation to its correct functioning with these components.

Truck Trailer Repairer

Educational requirements:

Grade 10 or equivalent.

Length of program:

Three periods of 1,800 hours including two in-school sessions of eight weeks each.

Credits for academic achievement:

See page 60—School Credits.

Minimum wages:

50, 70 and 90 per cent of journeyman's wage per period.

Duties:

Repairs trailer suspension systems, frames, brakes and electrical systems; performs basic trailer body repair and maintenance of refrigeration equipment.

Regulated Trades with Voluntary Certification

***Service Trades**

Baker
Cook
Assistant Cook
Dry Cleaner
Radio and TV Service Technician

***Construction Trades**

Brick and Stone Mason
Cement Mason
Construction Millwright
General Carpenter
Glazier and Metal Mechanic
Ironworker
Lather
Painter—(1) Commercial/Residential
(2) Industrial
Plasterer
Sprinkler and Fire Protection Installer

***Motive Power Trades**

Automotive Machinist
Automotive Painter
Farm Equipment Mechanic
Heavy Duty Equipment Mechanic
Service Station Attendant

Non-Regulated Trades

Auto Upholsterer
*Boilermaker (Construction)
Carpenter (Plant)
Draftsman (Mechanical)
Electrician (Plant Maintenance)
Electro-Plater
Electronics Mechanic (Industrial Control)
Foundryman (Coremaker)
Foundryman (Moulder)
Horticulture (Landscape and Nurseryman)
Industrial Mechanic (Millwright)
Ironworker (Plant)
Layout Man (Structural Steel/Platework)
Machinist (Industrial)
Oil Burner Mechanic
Optics Technician (Lens and Prism Maker)
Patternmaker
Pipefitter (Industrial)
Plastics Technician
Platemaker
Plumber (Plant)
Printer—Letterpress (Job-Shop)
Printer—Lithography (Job-Shop)
Sheet Metal Worker (Plant)
Ship Builder (Joiner)
Ship Builder (Ship Plater)
Steel Mill Worker (Blast Furnace)
Steel Mill Worker (Rolling Mill)
Terrazzo, Tile and Marble Setter
Tool and Die Maker
Upholsterer (Furniture)
Welder (Arc and Gas)
Woodworking Machinist (Cabinet and Furniture)
Woodworking Machinist (Millwork)

***Boilermaker (Construction)**

The trade will become regulated in 1977 and reciprocal arrangements to have it recognized by other provinces are being made.

Educational requirements:

Grade 10 or equivalent.

Length of program:

Four periods of 1,800 hours each.

Minimum wages:

40, 50, 60 and 70 per cent of journeyman's wage per period.

Duties:

Lays out, assembles, erects boilers, pressure vessels, heat exchangers and repairs component parts; reads and understands drawings, specifications, technical literature, manufacturers' and safety regulations; fits plates, connects steel members, drills, reams, bolts, rivets, welds, rigs; stress relieves and tests pressure vessels and enclosures using air, water, smoke and other methods.

Other information:

This trade is presently under review. It is expected that the length of the program will consist of four periods of 1,650 hours each.



General Information on Ontario Universities

Admission to Bachelor and First Professional Programs at University

In general, universities require an average of 60% or better in the subjects counted toward the Ontario Secondary School Honour Graduation Diploma (year 5). Students should be aware, however, that possession of the minimum admission requirements does not guarantee admission; that applicants with good standing are more readily accepted than students with a borderline standing; and that for certain programs with limited enrolment, an average of 70% to 80% or more may be required.

Course Prerequisites

Specific year 5 subject requirements vary according to the university and area of study selected. These are listed for each university under the appropriate degree program but as the admissions information has been confirmed only for the current year, students are advised to check with their guidance counsellors concerning any possible changes in subject requirements affecting the 1978-79 academic year.

Early Acceptance

Early acceptance to university may be offered to students before the end of the school year on the basis of interim year 5 marks, year 3 and year 4 marks, and the principal's recommendation on condition that they maintain their standing and complete their year successfully.

Application Procedure to Enter an Ontario University

A student planning to enrol in any year at an Ontario university in 1978 will submit an application through the Ontario Universities' Application Centre

P.O. Box 1328

Guelph, Ontario N1H 6N8

Telephone (519) 823-1940

The centre will receive and record applications, admissions decisions by the universities, and student acceptances of offers of admission. Applicants are divided into two separate streams for processing:

- a) Secondary school applicants—those now enrolled in full-time Ontario year 5 programs in accredited secondary or private schools.
- b) Other applicants—applicants not now enrolled in Ontario secondary schools, including adult applicants, applicants who previously obtained year 5, correspondence school and night school applicants and applicants from other provinces and countries.

The application procedure will operate as follows:

Applicants currently enrolled in Ontario Year 5

The centre will preprint a personalized application form for those applicants currently enrolled in Ontario year 5 who indicate when they register in September that they intend to apply for university admission. The forms will be prepared from information obtained from the files of the Ministry of Education.

A supply of application forms will also be sent to the schools for any applicants who may not have received the personalized forms, or who are in year 4 or in night school. The application form will be submitted to the principal for the completion of the year 3 and year 4 course data. The principal will forward the completed form to the centre. These forms will be processed by the centre and sent to appropriate universities. The centre will also obtain the recommended interim year 5 marks directly from the secondary school.

Other Applicants

Other applicants may obtain application forms from any university. Application forms should be completed and submitted to the Ontario Universities'

Application Centre along with the application fee of \$7. An applicant may, when applying, choose a maximum of three universities. The centre will process the application and forward it to the first university. The applicant will arrange to have supporting academic documents forwarded directly to the university.

Clearing Process

If applicants receive refusals of admission from the universities of their choice, they may add a new university and have their application reviewed by this university.

University Decision on the Applicant

The university, when it makes an offer of admission to the applicant, will include a response document which the applicant will complete and return to the centre. The applicant cannot accept more than one offer of admission. The centre will process the response and notify the one university of acceptance and the other universities of the refusal of their offers.

For further information, contact
Ontario Universities' Application
Centre
P.O. Box 1328
Guelph, Ontario N1H 6N8
Telephone (519) 823-1940

Schedule of Important Dates 1977-78

October 1, 1977

Beginning of 1978 Admission Cycle.
Application forms for regular applicants (OUAC 105) available at universities.

November 7, 1977

Preprinted application forms for year 5 applicants (OUAC 101) sent to secondary schools for those who indicated on the year 5 registration their intention of enrolling in an Ontario university.

December 1977

Application Form (OUAC 101) with university and program choices to be submitted to secondary school for inclusion of the years 3, 4 and 5 course data.

December 30, 1977

Application Form (OUAC 101) to be forwarded to the Application Centre by the secondary schools.

February 6, 1978

Acknowledgement/Amendment Form (OUAC 107) mailed to the secondary school of applicants who submitted an application form.

February 13, 1978

Grades for Early Admission (OUAC 102) sent to the secondary school for applicants who submitted an application form and the application service fee.

April 21, 1978

Grades for Early Admission (OUAC 102) to be returned by the secondary school to the Application Centre.

June 16, 1978

Earliest date for offer of admission, residence and scholarships by universities to year 5 applicants.

June 30, 1978

Earliest date that universities may require a response to an early offer of admission, residence and scholarships.

August 8, 1978

University discretionary period begins.

Preliminary Year and Admission from Year 4

Four universities—Carleton, Ottawa, Windsor and Brescia College (an affiliate of Western)—offer a preliminary year in lieu of year 5 for highly qualified year 4 students. At the University of Ottawa, this is only available

in the science and engineering faculties. Year 4 students who achieve a minimum overall average of 80% on their final marks are eligible to apply to the first year of Ottawa's Faculty of Arts.

Brock University offers admission into first year to exceptional students, recommended by their schools, who have completed year 4 and Brock's special summer course. Wilfrid Laurier University's Scholarship Program offers a limited number of Ontario secondary school students the opportunity to enter first year of the Bachelor of Arts program after successfully completing summer session courses at the university.

Graduate, Extension and Summer Programs

Horizons does not include information on the variety of graduate, extension and summer programs offered at the university level. Graduate programs normally require honours standing in a four-year undergraduate program as a prerequisite. In general, admission requirements for part-time, extension and summer programs leading to degree credits are the same as for full-time degree programs. Non-credit courses for students not working toward a degree are also available. For further information, check with the admissions office, the extension department, or the graduate school of the university concerned.

Secondary School Liaison and University Information Programs

During the academic year, representatives from each of the 16 universities in Ontario and Ryerson Polytechnical Institute visit over 100 secondary schools across Ontario to take part in university information sessions for

students, parents and guidance counsellors, as arranged by local and county boards of education. The purpose of these programs is to provide first hand information about university admission requirements, programs of study, campus life, facilities, campus tours, and scholarships. The names and addresses of Secondary School Liaison Officers are given in the university sections of *Horizons*. Inquiries are welcome.

Programs available at Ontario universities

Note:

The following chart is a listing of programs offered at the 16 universities in Ontario. This is not a comprehensive list. For information on special programs see the individual university entries on pages 73-111. For information about programs offered at Ryerson Polytechnical Institute see pages 92-95.

Codes:

- = undergraduate degree program
- + = undergraduate diploma program
- = undergraduate degree and diploma programs
- = undergraduate and graduate programs
- G = graduate study only
- M = minor specialization only
- † = check with university for details

Universities	Brock	Carleton	Guelph	Lakehead	Laurentian	McMaster	Ottawa	Queen's	Royal Military College	Toronto	Trent	Waterloo	Western	Wilfrid Laurier	Windsor	York
Biological Sciences: Agriculture																
Agricultural biology, business, engineering			□													
Agriculture			†												M	
Horticulture			□												M	
Landscape architecture			□							•						
Biological Sciences: Biology																
Anatomy							G	†		G			□		M	
Biochemistry	•	•	□			□	□	†		□		□			•	
Biology, biological sciences	□	□	□	□	□	□	□	□		•	•	□	•	•	□	□
Botany	•	□	□		□					□			□		M	
Physiology	•	□					G	†		□		□			M	
Zoology	•	□	□	□						□			□		M	
Biological Sciences: Dentistry																
Dental surgery										□						
Dentistry										□			□			
Biological Sciences: Other																
Environmental studies	•	•	□			G	G	†		□	•	•	G			□
Forestry, forest technology				□						□						
Marine biology, marine sciences			□												M	
Medicine						□	□	□		□			□			
Microbiology, immunology		•	□	•			G	†		□			□		M	
Nursing				•	•	□	•	•		□			□		■	
Nursing education													G		M	
Occupational therapy, physical therapy, physiotherapy								•		•			•			
Optometry												•				
Pharmacology								G								
Pharmacy										□						
Veterinary medicine			□													
General Arts and Science																
General arts	•	•	•	•				•	•	•	•	•	•	•	•	□
General science	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	□
Humanities: Art, Fine Arts, Theatre																
Art conservation								G								
Art education				•				•		•					M	•
Art, fine arts			•	•		•	•				M	•	•	•	•	□
Art history		•		•		•	•	•		□		•	•	•	•	
Dance														•	M	□
Drama, dramatic art	•			•	•	•		•		□		•	•		•	□
Film, cinema	•	•					•	•		M		•	•		M	•
Medical illustration										•						
Painting							•								M	□
Studio art							•			•		•	•		•	□
Theatre, theatre arts	•			•			•					•			•	□

Universities	Brock	Carleton	Guelph	Lakehead	Laurentian	McMaster	Ottawa	Queen's	Royal Military College	Toronto	Trent	Waterloo	Western	Wilfrid Laurier	Windsor	York
Humanities: Canadian and International Studies																
Asian studies	•		•													
Canadian studies			□	M	•	•	M	•	•	•	•	M	•	•	•	•
Indian, Eskimo, native studies			□		•					•	•	•	M	•	M	•
Latin-American, Caribbean studies					•					•	•		M		M	
Middle and Near Eastern studies								•		□	M				•	•
Soviet, Russian studies		□					•	•		□			•		•	
Humanities: Journalism																
Communication arts							•								•	
Journalism	□											G			M	
Humanities: Languages and Literatures																
Chinese, Chinese studies										□					M	M
Classics, classical studies	•	□	•	M	M	□	□	□		□	•	•	□	•	•	•
English language and literature	•	□	□	□	□	□	□	□	•	□	•	□	□	•	□	•
French language and literature	•	□	•	•	•	□	□	□	•	□	•	□	□	•	□	•
German language and literature	•	□	•	M	•	□	•	□		□	•	□	□	•	□	•
Greek language and literature	•	□	•				•			□	•	□	□	•	•	•
Italian language and literature	•	•	•	M	•	•				□	•	•	•	•	•	•
Latin language and literature	•	□	•	M	M	□		•		□	•	•	□	•	•	•
Linguistics, applied linguistics		•	•		•		□			□	M	•		•	•	•
Russian language and literature	•	•		M	•	•	□	•		□		□	□	•	•	•
Spanish language and literature	•	□	•	M	•	•	•	□		□	•	•	□	□	□	•
Translation, interpretation					•		•	•	+						M	
Humanities: Music																
Music	•	•	•	•		•	•	•				•	□	•	•	•
Music education						•	•	•	†			□		•		
Music history, music literature						•	•	•		□		□		•	•	
Music performance, applied music						•	•	•	†			□		•	•	
Music theory, music composition						•	•	•	□			□		•	•	
Humanities: Philosophy and Religious Studies																
Philosophy	□	□	□	•	•	□	□	□		□	•	□	□	•	□	□
Religion, religious studies		□		M	•	□	□	•	•	•		•	•	□	□	•
Theology, theological studies						G	□	□		□		□	G			
Independent Studies																
Independent studies, experimental programs	•					†				•	•		•		•	
Physical Sciences: Engineering																
Ceramic engineering						•										
Chemical engineering				•	†	□	□	□	□	□		□	□		□	
Chemical engineering, nuclear option								•								
Civil engineering	□		•	†	□	□	□	□	□	□		□	□		□	
Electrical engineering	□		•		□	□	□	□	□	□		□	□		□	
Engineering		□	•	†	†							•	□		□	
Engineering physics				M	□		•	□	•							
Geological and applied earth science										□						
Industrial engineering								•		□						
Materials science						□						□				
Mechanical engineering	G															

Universities	Brock	Carleton	Guelph	Lakehead	Laurentian	McMaster	Ottawa	Queen's	Royal Military College	Toronto	Trent	Waterloo	Western	Wilfrid Laurier	Windsor	York
Physical Sciences: Engineering (cont'd.)																
Metallurgical engineering									□							
Mining engineering									□							
Nuclear engineering									G							
Systems design												□				
Physical Sciences: Mathematics																
Applied mathematics		●		□		□	●	□		□		□	□		●	●
Computer science	●	●	●	□		●	●	□		□		□	□		●	●
Mathematics	●	□	□	□	●	□	□	□	G	□	●	□	□	●	□	□
Mathematics and physics									●							
Statistics		□	□			□		†		□		□	□		M	M
Physical Sciences: Physics																
Astronomy					M			†		□			□			G
Biophysics			□			G				□			□		●	
Chemical physics			●			G		●		□			□		□	G
Geophysics, space physics, astrophysics		●								□			□		M	G
Mathematical physics		●		●			●	●		□					□	M
Physics	□	□	□	□	□	□	□	□	G	□	●	□	□	□	□	□
Physical Sciences: Other																
Applied science									●							
Architecture		□								□		●				
Chemistry	□	□	□	□	□	□	□	□	□	□	●	□	□	□	□	□
Fuel and energy science				M												
Geography	●	□	□	●	●	□	□	□		□	●	□	□	□	□	□
Geology	□	□		●	□	□	□	□		□		●	□		□	
Metallurgy						□		□		□					M	
Regional Studies																
Community, urban, regional planning	●						G	G		□		□	G		●	
Urban studies, urbanism	●					G				□		●		●	●	●
Social Sciences: Business, Commerce, Economics																
Accounting, accountancy	●	●		●		M	●				M	●			□	M
Actuarial science				●						●		●	●		M	
Administration, administrative studies	●	●				M	■						□		□	□
Business, business administration	●		M	†	■	G	□	G		G			□	□	□	□
Business economics								□					G			M
Commerce		●		●	●	□	●	●	●	●			G	□		
Economics	●	□	□	□	●	□	□	□	□	□	●	□	□	□	□	□
Finance						M	●			●			G		□	M
Industrial, labour relations				●		M	■			G			G		M	M
Management, management sciences, business management						M	□					□	G		□	M
Marketing						M	●						G		□	G
Public administration	●	†				M	■	G		■				+	■	G
Social Sciences: Education																
Education	□		□	□		G	□	□		□	●		□		□	■
Elementary education	●			□	■		●	●		●	●		●		●	■
Secondary education	●			□			●	●		●	●		●		●	■
Special education, exceptional children				M			●								G	■

Universities	Brock	Carleton	Guelph	Lakehead	Laurentian	McMaster	Ottawa	Queen's	Royal Military College	Toronto	Trent	Waterloo	Western	Wilfrid Laurier	Windeor	York
Social Sciences: History																
Ancient history, civilization						M	□			●	●		G		M	M
History	●	□	□	□	□	□	□	□	□	□	●	□	□	□	□	□
Mediaeval studies, Renaissance studies						M	□	●		□		●	G		M	M
War studies									G							
Social Sciences: Home Economics and Food Studies																
Clothing and textiles, design, fashion			●										●		M	
Dietetics			●				●						●		M	
Family studies, family science			□						●					M		
Home economics																
Nutrition			□				●			□			●		●	
Social Sciences: Physical Education and Recreation																
Health, health studies				●			●	M		□		□			□	
Kinesiology			□				□					□			●	M
Physical education, physical and health education	●			□	●	□	□	□		□			□	M	□	□
Recreation				●			●			●		□				M
Social Sciences: Political Science																
Canadian politics	□	G				M	●	†					G		M	M
International affairs, relations, studies	□	G				M	●		●	□			G		●	M
Political and economic science									□							
Political science, politics	□	□	□	●	●	□	□	□	●	□	●	□	□	□	□	□
Social Sciences: Other																
Anthropology		□	●	●	●	□				□	●	●	●	●	□	□
Archaeology	●					M	●			G	M			●	M	
Criminology		●								□						
Law							□	□		□			●		●	□
Psychology	●	□	□	□	●	□	□	□		□	●	□	□	□	□	□
Secretarial science, art, administration													●			
Social work		G		●	●	□				G			●	G	□	●
Sociology	●	□	□	□	●	□	□	□		□	●	□	□	●	□	□

Brock University

St. Catharines

President: Alan J. Earp

In an age of the multi-university, Brock stands closer to the traditional values of university education. Full-time enrolment is only 2,500. Classes are smaller and are taught by faculty, not senior or graduate students. The seminar and discussion group are an integral part of the learning experience. A nucleus of courses in the humanities, social sciences and sciences is complemented by programs in administration, physical education, urban studies, computer science and music. A College of Education provides a one-year course for university graduates, but Brock undergraduates may take degree courses in education concurrent with their undergraduate program.

The 600-acre main campus, the DeCew Campus, is located on the Niagara Escarpment overlooking St. Catharines and Lake Ontario. A science complex is located at the base of the escarpment on the Glenridge Campus. The surrounding countryside includes the suburban edge of the city, farmland, and the conserved bushland of the Bruce Trail. The historic Niagara Region offers Brock students a wide range of cultural, recreational and social facilities which are as varied as they are unique.

Enrolment 1976-77

Full-time 2,532
Part-time (day) 300
Continuing education 4,200

Faculties and Schools

College of Education
Faculty of Arts and Science
Institute of Urban and Environmental Studies
School of Administrative Studies
School of Physical Education

General Requirements for Admission in 1978

Candidates for admission to the first year of an undergraduate program at Brock University will ordinarily be required to present an Ontario Secondary School Honour Graduation Diploma, with at least three different subjects and with standing satisfactory to the university. Candidates who present a highly specialized program for university entrance will be considered as special cases for admission.

Two credits in a given language will be beneficial to students intending to pursue studies in that language at the university.

One credit in mathematics is strongly recommended for students intending to major in administration, economics, geography, psychology, sociology and urban studies.

Proof of Proficiency in English

Candidates whose mother tongue is not English are required to demonstrate proficiency in English, normally by presenting results showing a high-level of success in TOEFL—Test of English as a Foreign Language, Educational Testing Service, Princeton, New Jersey 08540.

Early Admission

All year 5 applicants are encouraged to apply as soon as possible.

See introduction on admission to Ontario universities for information about application procedures and deadlines. A candidate must complete year 5 to the secondary school principal's satisfaction.

Year 4 Summer Program

Since its inception in 1968, nearly 950 year 4 students have successfully completed Brock University's Summer Program and enrolled directly into first year at Brock. Many of these students have done extremely well academically.

The program is offered to students who may have the qualities and motivation necessary to move directly into university from year 4. It provides an opportunity for students to work in a university environment. This enables the students and the instructional staff at Brock to judge whether enrolling in university from year 4 is in the students' best interests.

The five-week summer course allows total immersion in a program simulating a normal first year university experience. Areas of study offered include: humanities (philosophy), languages (French), mathematics for mathematics majors, mathematics for non-mathematics majors, sciences for non-science majors (biology), sciences for science majors (chemistry and physics), and social sciences (geography and psychology).

There is no tuition fee for this course. Students must pay only for their books and residence accommodation, which is optional. Since applications and acceptance to the program depend upon the anecdotal comments of guidance counsellors concerning the maturity and readiness of the student for university study, applicants should contact their school counsellor for further information.

***Degree Programs and Subject Requirements**

Bachelor of Administration

The university offers a program in administration designed for those students who intend to pursue careers in administration in the public sector (in various levels of government, health, education, etc.) or in the private sector (in industry, commerce and labour). Although professionally oriented, the program is based primarily on social science disciplines, particularly in the first two years. The primary purpose is to provide students in administration with a strong academic background as well as to prepare them for a career in the broad field of administration. The curriculum in administration is offered only at the honours level.

Admission Requirements: Students may qualify for admission through either the arts or science admission requirements.

Bachelor of Arts

Pass and honours:

Asian studies, biological sciences, classics (Latin or Greek), computer science, drama and film, economics, English, geography, Germanic and Slavic studies (German and Russian), history, music, philosophy, politics, psychology, Romance studies (French, Italian, Spanish) sociology, urban studies.

Admission Requirements: For entry into arts degree programs, English is mandatory. OSSHD with standing satisfactory to the university.

Interdepartmental Programs

Interdepartmental programs are being offered to meet the needs of students who wish to diversify their studies over two or more areas of concentration, and who do not wish to tie themselves to a combined major.

Students may select appropriate courses from several departments to focus on a field of study that is of particular interest to them. The resulting combinations of courses will therefore be highly personalized in character.

Bachelor of Science

Pass and honours:

Biological sciences, chemistry, geological sciences, mathematics, physics.

Admission Requirements: OSSHD with standing satisfactory to the university. Two credits in mathematics are mandatory and English is strongly recommended.

Specific Requirements: Biological sciences—any two of biology, chemistry, physics (chemistry and physics preferred); chemistry—chemistry, physics; geological sciences—any two of biology, chemistry, physics; mathematics—a third credit in mathematics (physics is strongly recommended); physics—chemistry, physics (a third credit in mathematics is strongly recommended).

Extrdepartmental Studies

Extrdepartmental Studies offers a variety of degree credit courses which do not fall under the auspices of existing university departments. Students should note that it is not possible to major in Extrdepartmental Studies, but that these courses may be taken for credit as electives in any degree program.

Bachelor of Physical Education

The School of Physical Education offers a four-year program leading to the degree of Bachelor of Physical Education (B.Phys.Ed.).

The program is unique in Ontario universities in that its major emphasis is on physical education for elementary school age children. Students completing the program will be eligible for admission to the certification year at the College of Education. Students completing the certification year will be qualified to teach physical education at the elementary school level in the province of Ontario. Students not wishing to enter the teaching profession after completing their degree program will be qualified to accept positions in community physical education and recreational agencies.

Admission Requirements: Students applying to the School of Physical Education may qualify for admission through either the arts or science admission requirements.

Institute of Urban and Environmental Studies

The program in urban and environmental studies provides an interdisciplinary focus on urban and environmental studies combined with a sound background in the natural or social science disciplines. The institute offers combined major degree programs collaterally with a major in one of the following departments at Brock: biological sciences, chemistry, economics, geography, geological sciences, politics or sociology.

Admission Requirements: Students officially enter the program at the beginning of second year at Brock following a prerequisite first year program.

College of Education

The college provides a one-year course leading to an Interim Elementary School Teacher's Certificate or a High School Assistant's Certificate. Admission to the one-year program requires the minimum of a pass degree.

A choice of either an elementary or a secondary option is given to candidates. Students completing the course will be recommended to the Ministry of Education for an Elementary School Teacher's Certificate, a High School Assistant's Certificate Type B, or a High School Assistant's Certificate Type A.

Students intending to take the secondary option will normally be required to have completed five university courses related to their specialty for a Type B certificate, and nine related courses for a Type A certificate.

Library

The library's collection includes 300,000 books, bound periodicals and documents and 2,400 current periodicals.

Annual Tuition Fees for All Degree Programs

Full-time and part-time students \$150 per course.

Further Information

Inquiries about admission requirements should be sent to

Mr. John Bird
Assistant Registrar, Admissions
Brock University
St. Catharines, Ontario L2S 3A1

Information about student awards and loans may be obtained from

Mrs. Ann Stavina
Student Awards Officer
Brock University
St. Catharines, Ontario L2S 3A1

Inquiries about the year 4 program should be directed to

Mr. John Bird
Assistant Director, Year 4 Program
Brock University
St. Catharines, Ontario L2S 3A1

Inquiries about university information programs for secondary schools should be directed to

Mr. Douglas Geddie
Secondary School Liaison Officer
Brock University
St. Catharines, Ontario L2S 3A1

Telephone (416) 684-7201

Carleton University**Ottawa**

President: Michael Oliver

Carleton University, Ontario's sixth largest university, celebrates its 35th anniversary in 1977. Situated on a 136-acre site between the historic Rideau Canal and Rideau River, one of Carleton's outstanding attributes is its home in the nation's capital.

In addition to the facilities offered by Carleton itself, Ottawa provides special learning resources through the National Research Council, the Public Archives, Parliament, the National Museums, the National Gallery and embassies from around the world.

With ever-expanding areas of concentration, Carleton offers a traditionally sound academic program, complemented by several innovative approaches to undergraduate study. Students at Carleton are awarded undergraduate degrees in architecture, arts, commerce, engineering, industrial design, journalism, music and science, with in-depth study available in 40 disciplines.

Areas of specialization include Canadian studies, Certificate in Teaching of English as a Second Language (CTESL), comparative literature, international affairs, journalism, linguistics, public administration, social work and Soviet and East European studies. Unique approaches to professional programs have been developed in the School of Architecture, the School of Commerce, the Faculty of Engineering, the School of Industrial Design, the Graduate School of Social Work and St. Patrick's College.

A division of the Faculty of Arts and Social Sciences, St. Patrick's College offers an alternate small college approach to undergraduate liberal arts studies complemented by the resources of a large university. In addition to the traditional areas of concentration in the Bachelor of Arts, integrated and multi-disciplinary programs add depth to the special goals of St. Pat's. A unified liberal arts program (ULAP), a one-year French immersion program, an intensive Spanish program, a Canadian studies program and a criminology and corrections program are some of the special studies programs offered at St. Patrick's College.

Campus facilities include a physical recreation centre, featuring a 50-metre pool and fitness centre, computer services, a student university centre and on-campus housing for 1,300 students.

Enrolment 1976-77

Full-time 9,216
Part-time 2,753
Continuing education 4,435

Faculties, Schools and Institutes

Faculty of Arts
Faculty of Engineering
Faculty of Graduate Studies
Faculty of Science
Faculty of Social Sciences
School of Architecture
School of Commerce

School of Industrial Design
School of International Affairs
School of Journalism
School of Public Administration
School of Social Work
Institute of Canadian Studies
Institute of Soviet and East European Studies

General Requirements for Admission in 1977-78

For the qualifying university year: Ontario Secondary School Graduation Diploma with a minimum 70% average. A minimum of 10 credits must be presented in the advanced or enriched phase at levels three and four.

For the first year of a degree program: Completion of an Ontario Secondary School Honour Graduation Diploma with 60% average (65% for honours).

Limited Enrolment Admission

Applicants should note that in view of limited enrolment in certain programs, holding the minimum admission requirements can only establish eligibility for selection by the university. This is particularly true for admission to the Bachelor of Architecture, Bachelor of Commerce, Bachelor of Engineering, Bachelor of Journalism and Bachelor of Industrial Design programs.

Degree Programs and Subject Requirements**Bachelor of Arts****Major program:**

Three years. Available in art history, biology, Canadian studies, classical civilization, classics (Greek, Latin), criminology and corrections, economics, English, film, French, geography, German, history, Italian, law, linguistics, mathematics, music, philosophy, political science, psychology, religion, Russian, sociology-anthropology, and Spanish.

Honours program:

Four years. Available in art history, classics, economics, English, French, geography, German, history, Italian, law, linguistics, mathematics, music, philosophy, political science, psychology, religion, Russian, sociology-anthropology, Spanish. Certain combined programs may be arranged.

Honours in public administration:

Four years with specialization in political science, economics, public law.

Honours in Soviet and East European studies:

A four-year interdisciplinary course with emphasis on Russian language and literature, political science, economics and history.

Year 4 Requirements for a Bachelor of Arts Program

The OSSGD with a minimum 70% average and including two of English, a language other than English, or mathematics at the fourth level. A minimum of 10 credits must be presented in the advanced or enriched phase at levels 3 and 4.

Year 5 Requirements for a Bachelor of Arts Program

The OSSHGD with a minimum 60% average (65% for honours). For majors in biology, economics and mathematics, functions and calculus must be presented.

Bachelor of Journalism*Honours program:*

Four years from senior matriculation. The aim of the program is not to train technologists; it is to give students the ability to investigate, interpret and communicate intelligently in any of the mass media. It will also allow a student to combine honours level work in arts, science or commerce with professional training in journalism.

Year 5 Requirements for Bachelor of Journalism Program

The OSSHGD with a minimum 65% average, including a language other than English (French is recommended).

Bachelor of Music*Honours program:*

A four-year program from senior matriculation designed principally to promote an intellectual and aesthetic understanding of music as an expression of human cultural activity with a limited applied music option. The study of musical history and of the techniques and materials of musical creation will form the basis of all study.

Year 5 Requirements for Bachelor of Music Program

The OSSHGD with a minimum 65% average. It is expected that students entering the B.Mus. program would have Level V Music, the appropriate Level of Conservatory Music, or both.

Bachelor of Commerce

A four-year honours program in management studies. The objective of the program is to prepare students for management positions in business or government. Some specialization is available in accounting and finance, marketing and business systems.

Year 5 Requirements for Bachelor of Commerce Program

The OSSHGD with a minimum 65% average including functions and calculus.

Bachelor of Engineering

Four years, including three years of foundation studies in mathematics, physics, chemistry and engineering sciences and one year of specialization in civil, electrical or mechanical engineering.

Year 4 Requirements for Bachelor of Engineering Program

The OSSGD with a minimum 70% average and including an appropriate preparation in mathematics, chemistry and physics. A minimum of 10 credits must be presented in the advanced or enriched phase at levels 3 and 4.

Year 5 Requirements for Bachelor of Engineering Program

The OSSHGD with a minimum 60% average and including functions, calculus, chemistry and physics.

Incorrect Year 5 Course Patterns

A student unable to meet the specific course requirements above, but otherwise admissible to Carleton University, may be admitted to the first year but will be required to satisfy the outstanding requirements at the qualifying university year level.

Bachelor of Architecture

A five-year program leading to a Bachelor of Architecture degree, and offering a highly varied experience for the student in lectures, seminars, library, studios, and workshops.

Year 5 Requirements for Bachelor of Architecture Program

The OSSHGD with a minimum 60% average and including functions, calculus and physics.

Bachelor of Industrial Design

A four-year program, integrated for the first two years with the engineering program or the architecture program, followed by two years of industrial design projects and additional academic course work.

Year 5 Requirements for Bachelor of Industrial Design Program

The OSSHGD with a minimum 60% average and including functions, calculus, chemistry and physics.

Bachelor of Science*Major program:*

Three years. Available in biology, chemistry, geology, mathematics, physics.

Honours program:

Four years with an average of 65% required for honours program. Available in biochemistry, biology, chemistry, computing science, geology, mathematics, physical geography, physics, psychology.

Combined honours:

Available in biology-geology, chemistry-geology, geology-physics, mathematical sciences-computer mathematics, mathematics-physics.

Integrated science studies:

A major or honours program designed for those students who wish to develop an understanding of the scientific method, and at the same time to acquire a knowledge of the humanities, social sciences or certain selected parts of engineering.

Year 4 Requirements for Bachelor of Science Program

The OSSGD with a minimum 70% average and including an appropriate preparation in mathematics, chemistry and physics. A minimum of 10 credits must be presented in the advanced or enriched phase at levels 3 and 4.

Year 5 Requirements for Bachelor of Science Program

The OSSHGD with a minimum 60% average and including functions, calculus and two experimental sciences. While biology, chemistry, geology and physics are the subjects normally accepted as sciences, the university will consider other courses on an individual basis. Prospective students should note that, while only a 60% general average is required for admission, they should have at least 60% or third class honours in the mathematics and science subjects offered.

Certificate Programs*Certificate in Public Service Studies**

A six-course program designed for public employees who seek special training in public service studies at the undergraduate level.

Admission Requirements

Junior Matriculation (year 4). Experienced applicants without Junior Matriculation will be considered on merit, and the completion of certain subjects at Carleton may be required before admission.

Certificate in the Teaching of English as a Second Language

A five-course program including theory and practice in teaching English as a second language, the structure of English, and various optional courses.

Admission Requirements

An undergraduate degree in linguistics or another subject, or extensive experience in teaching.

Library

As of February 1977 the library's collection contained 227,377 volumes and 850,348 other items.

Fees*Full-time students*

Arts, commerce, journalism, science \$800
Engineering, industrial design, architecture \$860

Part-time students (per subject)

Degree programs \$156.70
Non-degree programs \$156.70
Residence fees including meals 1977-78 (approximate)
Single rooms \$1,800
Double rooms \$1,680

Financial Assistance

Students in financial need may apply for assistance from a variety of sources. Government assistance is available to full-time students in the form of loans and/or grants and to part-time students as bursaries or loans.

For further information concerning government assistance see the introductory section on financial assistance and check with the university's Student Awards Office. The Student Awards Officer will also have details on bursaries and scholarships offered by the university.

Further Inquiries

Inquiries about admission should be directed to

Office of Admissions
Carleton University
Colonel By Drive
Ottawa, Ontario K1S 5B6

Inquiries about student awards and loans

Mrs. A. T. Loates
Student Awards Office
Carleton University
Colonel By Drive
Ottawa, Ontario K1S 5B6

Telephone (613) 231-3735

Inquiries about university information

programs for secondary schools
High School Liaison Officer
Administration Building, Room 204
Carleton University
Colonel By Drive
Ottawa, Ontario K1S 5B6
Telephone (613) 231-2738
(Collect calls accepted at this number only)

University of Guelph

Guelph

President: Donald F. Forster

The University of Guelph has emerged as a unique educational and research centre. Over the last 100 years the Guelph campus has achieved world-wide recognition for undergraduate and graduate programs in agricultural science, veterinary medicine and household science. Since the founding of the university in 1964, programs have been developed in arts, social sciences, biological sciences, family and consumer studies, physical sciences, human kinetics, hotel and food administration, landscape architecture and engineering.

The close association of scholars from many disciplines affords the University of Guelph an unusual opportunity to offer interdisciplinary degree programs, and to carry out research and study projects in multidisciplinary fields.

The University of Guelph has achieved a vibrant equilibrium between traditional and avant-garde, urban and rural. Traditional buildings, concrete structures and greenery create a pedestrian oriented campus. Construction of facilities has kept pace with rapidly growing student numbers, providing the campus with modern residences, classrooms and well-equipped laboratories for research. The university plans to level off undergraduate enrolment at about 10,000 in order to maintain a moderate size.

Located on the southern edge of Guelph, the university's 1,100-acre campus borders residential areas to the north and farmland to the south. Academic buildings are conveniently grouped together along several pedestrian walkways. Surrounding the academic core, three main residence areas provide accommodation for more than 4,000 students. A townhouse development for married students houses 140 families in a wooded setting which is about a 15-minute walk from the centre of the campus.

As a new institution, the University of Guelph explores alternatives to the traditional university experience. The three-semester system, for example, utilizes facilities for 11 months of the year—from September through July.

In most degree programs, students may attend one, two or three semesters a year, and may choose to accelerate or to alternate work and study periods. Entry points are in September, January and May. Under a special spring admissions plan, Ontario year 5 students may begin university study in May directly from secondary school.

Enrolment 1976-77

Full-time 10,417

Part-time 754

Academic Administrative Units

College of Arts

College of Biological Science

College of Family and Consumer Studies

College of Physical Science
College of Social Science
Ontario Agricultural College
Ontario Veterinary College
Faculty of Graduate Studies
Office of Research
School of Agricultural Economics and Extension Education
School of Engineering
School of Hotel and Food Administration
School of Landscape Architecture
School of Physical Education
Centre for Educational Disabilities
Centre for International Programs
Centre for Resources Development
Institute of Computer Science
Office of Continuing Education
Food Industry Research Institute

General Admission Requirements for 1977-78

Applicants should qualify for the Ontario Secondary School Honour Graduation Diploma with standing in specific year 5 subjects as required by the particular degree program.

Innovations in Secondary School Subjects

The university will consider for credit, courses regarded as innovations in the Ontario secondary school system, if they are approved by the Ontario Ministry of Education.

Fall Semester Admission

Studies begin in September. Fall semester admission to all programs may be granted to candidates who satisfy in full the general entrance requirements.

Winter Semester Admission

Studies begin in January. Under an agreement with the Ontario Ministry of Education, the University of Guelph admits to the first semester of the degree programs in arts, science, engineering, human kinetics, family and consumer studies, and agriculture, a number of students of promising scholastic ability. These students are admitted directly from secondary school and commence study at the university in early January. Candidates who have delayed entry to the university, for various reasons, may also apply at this time. Admission may only be granted to candidates who satisfy in full the general program entrance requirements. The university will grant the University of Guelph Matriculation Certificate should the student not be eligible to receive the Ontario Secondary School Honour Graduation Diploma.

Spring Semester Admission

Studies begin in May. Spring admission to the arts, science, human kinetics, agricultural science and family and consumer studies programs may be granted to candidates who satisfy the general entrance requirements above and who are enrolled in year 5 for the first time and have an estimated minimum average of 64%. Students accepted under the Spring Admission Plan are granted the Ontario Secondary School Honour Graduation Diploma or the University of Guelph Matriculation Certificate. The OSSHD will only be granted when students can arrange a suitable timetable with the principal of their school to complete the required credit hours prior to spring semester registration.

Early Acceptance

(Acceptance for September on the date agreed to by the Ontario Universities Council on Admissions. See page 67).

Early acceptance to all programs may be granted to candidates who satisfy in full the general entrance requirements and who are enrolled in year 5 for the first time and have an estimated minimum average of 60%.

Application Procedure

Candidates planning to enrol in the spring or fall of 1978 will submit an application through the Ontario Universities' Application Centre (see page 67).

***Degree Programs and Subject Requirements**

Bachelor of Arts

Common first year:

Semesters one and two are taken in common by both honours and general students. Thus, the selection of a final program may be delayed until the third semester.

General program:

Six semesters. Students may choose one of two patterns of study: general studies (a student may specialize to any extent desired, providing that at least six of the required 30 semester courses are taken at or above the 300 level); or a major (minimum of 10 semester courses in one subject).

The following subjects are available as majors (refer to the calendar for full details):

Asian studies, classical archaeology, classical studies, computing and information science, drama, economics, English, fine art, French, geography, German, Greek, history, Italian, Latin, linguistics, mathematics, music, philosophy, political studies, psychology, statistics, sociology-anthropology, Spanish.

Honours program:

Eight semesters. Designed for greater specialization, there are three patterns of study which a student may follow: specialized major, major and minor honours, or combined honours.

The following subjects may be taken in an honours program (see the calendar for full details): Asian studies, business administration, Canadian studies, classical archaeology, computing and information science, consumer studies, drama, economics, English, environmental studies, fine art, French, geography, German, history, Italian, Latin, mathematics, music, philosophy, political studies, psychology, social science and the development of the Third World, sociology-anthropology, Spanish, statistics.

Minor honours is the only option available in business administration, consumer studies, Canadian studies, and environmental studies.

Minor honours in the development of the Third World is available only to students with minor honours in a social science or history.

Year 5 Subject Requirements for Admission to the Bachelor of Arts Program

Although there are no specific subject requirements, preference will be given to applicants who offer two credits from English, mathematics, or a second language.

Bachelor of Science

Common first year:

Students in the general and honours Bachelor of Science programs take the same basic courses in the first and second semesters.

The final selection of a general or a specific honours program may thus be delayed until the third semester.

General program:

Six semesters. This program provides a broad general training in biological science, chemistry, physics and mathematical science.

Honours program:

Eight semesters. The student has the following options: the honours science program (without specialization) which permits study in the natural sciences at a greater depth than in the general program; honours science with major and minor; an honours program which provides for specialization in the physical, biological or food science areas. Specialization is available in biochemistry, biophysics, botany, chemical physics, chemistry, computer and information science, earth science, ecology, fisheries and wildlife, biology, food science, genetics, geography, human biology, marine biology, mathematics, microbiology, nutrition and biochemistry, physics, statistics, theoretical physics, and zoology.

Year 5 Subject Requirements for Admission to the Bachelor of Science Program

One credit in mathematics; two credits from biology, chemistry or physics; one additional credit from biology, chemistry, mathematics or physics; two additional credits.

Applicants are advised to include functions and relations and one credit of English in their year 5 program of studies. Applicants who lack one specific year 5 subject requirement but who have a high overall year 5 standing are also encouraged to apply for admission.

Students contemplating admission to the Doctor of Veterinary Medicine Program should include the following courses in their year 5 program of studies: functions and relations, biology, physics and chemistry.

Bachelor of Science in Agriculture

Honours program:

Eight semesters. The program is designed to provide fundamental education in the science of agriculture. The first two semesters feature a common curriculum and students may select a major from one of several areas prior to the commencement of the fourth semester. A major can be chosen from one of the following areas of specialization: agricultural economics and rural development, animal and poultry science, crop science, dairy science, entomology-apiculture, environmental biology, horticultural science, microbiology, plant protection, resources management, soil sciences.

The curriculum also provides an opportunity for students to elect, if they so wish, a minor that will complement their selection of a major. Students wishing to concentrate their elective courses in a particular area are advised to consult the schedule of studies for the various minors available in the program.

Minors are available in agri-business studies, extension education, international agriculture, resource economics, animal and poultry science.

Year 5 Subject Requirements for Admission to the Bachelor of Science in Agriculture Program

One credit in mathematics; two credits from biology, chemistry or physics; one additional credit from biology, chemistry, mathematics or physics; two additional credits.

Applicants are advised to include functions and relations and chemistry in their year 5 program of studies. Applicants who lack one specific year 5 subject requirement but who have a high overall year 5 standing are also encouraged to apply for admission.

Students contemplating admission to the D.V.M. program should include the following courses in their year 5 program of studies: functions and relations, biology, physics and chemistry.

Family and Consumer Studies (Bachelor of Applied Science)

Honours program:

Eight semesters. The program in family and consumer studies provides for flexibility in preparation for a variety of professional careers involving an understanding of families and consumers. Students select one of the following major areas of study: applied human nutrition, child studies, consumer studies or family studies. Courses in the biological, physical and social sciences provide a background for the courses selected in relation to the students' major area of interest. Students may select their major area of study when entering the program or may choose to enrol in a two-semester sequence which will enable them to select, in the third semester, any one of the four majors.

Year 5 Subject Requirements for Admission to the Bachelor of Applied Science Program

Two credits in mathematics, one credit in chemistry or biology, three additional credits. Applicants are advised to include functions and relations in their year 5 program of studies.

Bachelor of Science in Human Kinetics

Honours program:

Eight semesters. A human kinetic studies program with emphasis in the areas of scientific application to human activity. Science oriented subjects, particularly toward the biological sciences, include anatomy, biology, nutrition, physiology, psychology and sociology. Interdisciplinary subject matter includes kinesiology, exercise physiology, sports medicine and scientific measurement of human performance.

This program provides all of the necessary academic requirements for entrance to a college or faculty of education to qualify for a High School Assistant's Certificate, Type A.

Year 5 Subject Requirements for Admission to the Bachelor of Science (Human Kinetics) Program

One credit in mathematics, two credits from biology, chemistry or physics; one additional credit from biology, chemistry, mathematics or physics; two additional credits.

Applicants are advised to include functions and relations in their year 5 program of studies. Applicants who lack one specific year 5 subject requirement but who have a high overall year 5 academic standing are also encouraged to apply for admission.

Hotel and Food Administration (Bachelor of Commerce)

Honours program:

Eight semesters. This program is of an interdisciplinary nature drawing on courses in the humanities, social sciences, food science, physical and biological sciences. Special emphasis is given to the study of the theories of interpersonal relations, communications, business law, and administration and management courses related to hotel/motel and restaurant operation.

Year 5 Subject Requirements for Admission to the Bachelor of Commerce Program

Two credits in mathematics and four additional credits.

Applicants are advised to include functions and relations and chemistry in their year 5 program of studies.

Bachelor of Science in Engineering

Honours program:

Eight semesters. Students can plan their program of studies around a core of engineering and mathematical courses. Elective courses in the humanities and the social and natural sciences provide a liberal education to suit individual career goals. Systems design projects allow special studies in one of three areas: agricultural engineering, biological engineering, water resource engineering.

Year 5 Subject Requirements for Admission to the Bachelor of Science (Engineering) Program

Two credits in mathematics and four additional credits.

Applicants are advised to include physics, chemistry and three mathematics courses as part of their year 5 program of studies.

Bachelor of Landscape Architecture

Honours program:

Eight semesters. The first four semesters are largely devoted to basic study in design, architecture, urban planning and the natural sciences. In the final four semesters emphasis is placed on professional courses in parks and recreation, and project design.

Year 5 Subject Requirements for Admission to the Bachelor of Landscape Architecture Program

Two credits from biology, mathematics, physics or chemistry; two credits from English, geography or history; two additional credits.

Applicants are advised to select a program of studies at the secondary school level which will include all or most of the following areas: English, mathematics, art, biology, social science, geography and environmental studies.

Due to the nature of the program, personal interviews and/or special tests are used to assist in the selection of candidates. Applicants are selected for the interviews on the basis of academic performance. A final decision on the admission of the applicant will follow the interview and/or tests.

Doctor of Veterinary Medicine

Eight semesters. Course of study prescribed.

Requirements for Admission to the Doctor of Veterinary Medicine Program in 1977-78

Candidates for admission to the professional course in veterinary medicine must have successfully completed at least two years of academic work beyond the level of Ontario year 5 in a recognized college or university. Students who present themselves for admission to the D.V.M. program in 1977 will encounter somewhat different course prerequisites and may be admitted to the D.V.M. program either (a) by admission into the pre-veterinary semester of the Bachelor of Science or Bachelor of Science (Agriculture) programs after three or more semesters of university work, or (b) by admission into the first semester of the D.V.M. program after four or more semesters of university work. Candidates in these instances must have completed a minimum of three or four semesters (45 or 60 semester credits) of academic work beyond the level of Ontario year 5 in a recognized college or university. The specific subject matter prerequisites at the respective levels of admission are:

Pre-Veterinary Semester (winter semester only)

Biological science—four semester courses (including one in genetics or microbiology); physics—two semester courses; mathematics—one semester course in calculus; chemistry—three semester courses (including inorganic and organic); humanities and social science—three semester courses

First Semester D.V.M. (available in fall semester only)

Biological science—four semester courses (including one in microbiology and one in genetics); physics—two semester courses; mathematics—two semester courses (including one in calculus); chemistry—four semester courses (including inorganic, organic, and biochemistry); embryology and histology—one semester course in embryology and one in histology; humanities and social science—three semester courses.

Students wishing to undertake their pre-veterinary study at the University of Guelph should apply to enter either the Bachelor of Science or the Bachelor of Science in Agriculture programs. Interviews are used to assist in the selection of candidates for both the pre-veterinary semester and the first semester of the D.V.M. program. Applicants will be selected for interviews on the basis of their academic grades and the submission of the Background Information Sheet. A final decision on admissibility will be made following the interview. Normally a student in the D.V.M. program will not be required to repeat a course in which credit standing has been obtained in pre-veterinary studies. A further condition of admission to the veterinary program is agreement to a rabies immunization procedure with subsequent titre evaluation.

Associate Diploma in Agriculture

Four semesters. The program is designed to give students an appreciation of science and its application to agriculture. After a common first semester, students specialize in one of four divisions: agri-business, agricultural mechanics, farm operators and managers, or horticulture with an emphasis in fruit and vegetable production or nursery and landscape.

Admission Requirements for Associate Diploma in Agriculture Program

The minimum academic requirement for admission is Ontario year 4 or its equivalent. Applicants must also provide evidence of at least three months' experience in some acceptable type of agriculture or landscaping.

For additional information contact

Director of Diploma Course
University of Guelph
Guelph, Ontario N1G 2W1
Telephone (519) 824-4120 ext. 3010

Library

With 850,000 catalogued volumes and 9,000 current periodical subscriptions in its collection, the library houses open stacks and over 2,225 individual study areas. The library system is extensively automated.

Annual Fees (subject to change)**Tuition fees per semester (full-time students):**

Associate Diploma in Agriculture \$120
Bachelor of Applied Science \$337.50
Bachelor of Arts \$342.50
Bachelor of Commerce \$337.50
Bachelor of Landscape Architecture \$402.50
Bachelor of Science \$347.50
Bachelor of Science (Agriculture) \$337.50
Bachelor of Science (Engineering) \$372.50
Bachelor of Science (Human Kinetics) \$345
Doctor of Veterinary Medicine \$337.50

Room and Board Fees (subject to change)**Single Student Residence Fees**

For all but apartment style residences, fall and winter semesters: \$440 for single; \$410 for double; \$360 for triple; (spring semester \$372).

Single Student Residence Fees

For apartment style residences, fall and winter semesters: single accommodation \$475; double accommodation \$440; triple accommodation \$390; (spring semester \$402).

Married Students' Townhouses

Unfurnished \$195 (per month)
Furnished \$206 (per month)
(effective September 1, 1976).

Meal Plans (per semester)

\$280 or \$340

Students accommodated in all but apartment style residences are required to select one of the above meal plans. These plans are also available to students accommodated in apartment style residences and to those living off campus. A semester, for room and board purposes, will terminate on the date announced for conclusion of examinations.

Further Inquiries

Admission inquiries should be directed to Admissions

Office of the Registrar
University Centre, Level 3
University of Guelph
Guelph, Ontario N1G 2W1

Information and application forms for student awards and loans may be obtained from Awards

Office of the Registrar
University Centre, Level 3
University of Guelph
Guelph, Ontario N1G 2W1

Inquiries regarding university information programs for secondary schools should be directed to

Secondary School Liaison Officer
Office of the Registrar
University Centre, Level 3
University of Guelph
Guelph, Ontario N1G 2W1

Inquiries regarding campus visits for secondary school students should be directed to

Admissions
Office of the Registrar
University Centre, Level 3
University of Guelph
Guelph, Ontario N1G 2W1

Telephone (519) 824-4120

Lakehead University

Thunder Bay

President: A.D. Booth

Lakehead University, one of the newest universities in Ontario, granted its first degrees in 1965. It evolved from the Lakehead Technical Institute, established in 1946, which later became known as the Lakehead College of Arts, Science and Technology. In 1957, the college moved to its present campus site, overlooking the former cities of Port Arthur and Fort William, now Thunder Bay.

In 1965, the college received university status and an extensive building program was begun, transforming the small core of buildings into the present imposing \$40,000,000 campus. Facilities now include a 600-bed residence village; a superbly equipped science and technology complex; a university centre with theatre, cafeterias, student lounges, shopping mall, and student offices; a six-storey, 1,000-seat library; and a sophisticated computer centre equipped with an IBM 360/50 computer. The Tim Ryan Memorial Academic Building and an Olympic length swimming pool, both completed in the fall of 1972, have greatly enhanced the academic and athletic capabilities of the university.

Lakehead University reaches out beyond traditional boundaries, making spring, summer and part-time study available on campus and carrying post-secondary study to the far-flung communities of northwestern Ontario.

The university is striving to create a unique educational experience based on a close student-faculty relationship while still offering all the challenge and scope of Ontario's vast northwestern region. It is young in both history and heart; through innovation Lakehead is creating its traditions.

Enrolment 1976-77

Full-time 2,820

Faculties and Schools

Faculty of Arts
Faculty of Education
Faculty of Science
School of Business Administration
School of Engineering
School of Forestry
School of Library Technology
School of Nursing
School of Physical and Health Education

General Requirements for Admission in 1977

Degree Programs

The standard for admission to a degree program at Lakehead University is the successful completion of any Ontario year 5 program (or equivalent) embracing at least three distinct subject areas, acceptable to the university as satisfying the entrance standards. The overall average must be at least 60%. In addition to obtaining this general level of academic maturity, the candidates will be required to include in their matriculation programs subjects that interlock directly with

their planned university majors. These specific requirements are noted in the university's calendar.

Diploma Programs

Admission to diploma programs is based upon successful completion of an Ontario year 4 program (or equivalent) which would allow the student to proceed to a full Ontario year 5 program. The overall average must be at least 60%. Certain diploma programs also require specific subjects at the year 3 and year 4 level for admission.

Applicants with high standing in level 4, year 4 programs will be considered on an individual basis. All other applicants to diploma programs, with special circumstances, will be considered on an individual basis. Please note that Ontario students applying for admission to engineering technology programs out of year 5 will be considered for the second year of the program if they meet the subject requirements for admission to the first year of the applied science degree program.

Special Consideration

An applicant who lacks a specific required subject for his or her planned program or major may be considered if the level of achievement in associated subjects is substantially better than average. Each student in this category is considered on an individual basis.

Extraordinary Admission

The university is prepared to consider applicants for admission who have been away from formal education for at least two years at any time because of reasons beyond their control. Applicants will likely be interviewed by an Admissions Committee representative, and may be required to provide evidence of their proficiency in English. Each case is considered on its own merits.

Admission to First Year University from Year 5 (February)

In 1975 Lakehead University began offering courses in arts and science at first year university level from February to the end of April. The program allows completion of three full credits and students may continue into summer school to complete the remaining two first year credits. This program was designed primarily to suit the needs of students graduating at the end of January from semestered high schools.

Admission to First Year University from Year 4

The university is prepared to consider exceptional year 4 students who attain an average of 80% and are recommended by their principal or school counsellor for entrance to first year of an appropriate degree program. Applicants admitted to first year of science and/or engineering will normally be required to take a mathematics course during the summer session.

Admission to One University Course as a Special Student

The university is prepared to consider qualified students for admission to degree studies, without the usual high school requirements. The basis of admission will be the student's performance in a suitable Lakehead University course, taken as a deferred credit, while the student is still in high school.

Early Admission

Ontario year 5 students who apply early and who have maintained at least third class standing through years 3 and 4 and mid-term year 5 will be considered for early admission. All students who apply early will be advised before the end of their school year with regard to their admission status. Early admission consideration will also be extended to year 4 students who apply for admission to diploma programs.

Degree Programs and Subject Requirements

Faculty of Arts

Degrees offered:

Bachelor of Arts, B.A. (Geography), B.P.E. (Outdoor Recreation—four years), Honours Bachelor of Arts, Honours Bachelor of Social Work (four years), H.B.A. Fine Arts (with majors in drama, music, visual art), Master of Arts.

Available majors in the three-year Bachelor of Arts program: anthropology, anthropology (Taiga studies), economics, English, English (Canadian studies), English (theatre arts), French, general program, geography, history, mathematics, philosophy, political studies, psychology, sociology.

Majors available in the four-year Honours Bachelor of Arts program: anthropology, economics (industrial relations), economics, English, English and French, French, geography, history, mathematics (actuarial science), mathematics (computer science or applied mathematics option), philosophy, political studies, psychology, sociology.

Admission Requirements for 1977

Admission into the Bachelor of Arts program in 1977 will require satisfactory completion of any Ontario year 5 program embracing at least three distinct subject areas. For example, English, geography, and mathematics; or English, history and another language, etc. The overall average must be at least 60% and at least one year 5 English credit must be included in the program. Certain majors in the Faculty of Arts also require specific year 5 prerequisites, for example, mathematics and the languages.

Faculty of Science

Degrees offered:

Bachelor of Science, Bachelor of Science—Engineering Technology Diploma (Electrical)—three years, Honours Bachelor of Science, Master of Science.

Majors available in the three-year Bachelor of Science program: biology, biology and chemistry, chemistry, chemistry with energy and fuel science, general program, geography, geology, geology with energy and fuel science, liberal science, mathematics, natural science, physics, physics with energy and fuel science, psychology.

Majors available in four-year Honours Bachelor of Science program: biology, chemistry, chemistry with energy and fuel science, geography, geology, geology with energy and fuel science, geology and biology, geology and chemistry, geology and physics, geology and economics, mathematics (applied mathematics option, computer science option), mathematics (actuarial science), mathematical physics, medical laboratory science, physics, physics with energy and fuel science, psychology.

Admission Requirements for 1977

Admission into a Bachelor of Science degree program at Lakehead University in 1977 will require satisfactory completion of any Ontario year 5 program embracing at least three distinct subject areas, preferably in the sciences, for example, mathematics, physics and chemistry. Some majors in the faculty do require certain year 5 prerequisites, for example, mathematics. Students considering a science program should include in their secondary school program a pattern of subjects consistent with their planned university majors.

Applicants to the general program and liberal science program, however, will be eligible for admission consideration without normal year 5 science requirements. The medical laboratory science program is a post registered technologist's program and requires registered technologist's certification (R.T.) and standing in first year university mathematics and chemistry for admission.

Faculty of Education**Degrees offered:**

Bachelor of Arts-Bachelor of Education, Bachelor of Science-Bachelor of Education, Bachelor of Education, Master of Education.

The following professional four-year degrees are offered for teachers: a degree program for elementary school teachers (Certification Standard 4) leading to a B.A.-B.Ed. (Elementary) or a B.Sc.-B.Ed. (Elementary); and a degree program for secondary school teachers (Type B or Type A Certification) leading to a B.A.-B.Ed. (Secondary) or B.Sc.-B.Ed. (Secondary). The equivalent of one year of professional studies and practice will provide the basis of certification in all programs.

The following majors are available to B.A.-B.Ed. candidates: English, French, geography, history, mathematics. The following majors are available to B.Sc.-B.Ed. candidates: biology, chemistry, geology, mathematics, physics.

Students with two years in arts or science are eligible for admission consideration into a B.A.-B.Ed. or B.Sc.-B.Ed. degree program with advanced standing.

Lakehead University also offers a one-year Bachelor of Education degree program for holders of approved degrees qualifying the candidate for secondary school teaching or elementary school teaching.

Through consultation with the Dean, candidates may also arrange a choice of options and student teaching to qualify for both an Elementary School Teacher's Standard 4 Certificate and Type B Secondary School Certificate (combined program).

Admission Requirements for 1977

Admission into the Faculty of Education four-year double professional degree program will be the same as admission to any other degree program at the university (the same as arts or science).

University Schools

Admission into the following degree programs will require successful completion of a full year 5 program with certain year 5 prerequisites.

Honours Bachelor of Commerce

Four years. The applicant's year 5 program must include English and mathematics. Applicants without mathematics will be considered, though they may, if admitted, be required to take a non-credit mathematics course.

Bachelor of Administration

Three years. The applicant must hold a full year 5 program consisting of six credits. Majors are available in accountancy, banking, health services, personnel and labour relations.

Bachelor of Engineering (Post-Diploma)

Two years. The applicant must hold a diploma in technology from a college of applied arts and technology, Ryerson Polytechnical Institute, Lakehead University or its equivalent. Preference will be given to applicants with experience in industry.

Please note that year 5 applicants who are eligible for entrance to second year of engineering technology may continue at Lakehead, receiving an engineering degree after four successful years of study. Year 4 applicants enter first year, receive a diploma after three years and may obtain an engineering degree after two further years of study.

Applicants who fail to meet the above requirements will be considered on an individual basis.

Bachelor of Applied Science

First year only. The applicant's year 5 program must include mathematics (three credits: functions and relations, calculus and algebra, or equivalent), chemistry and physics.

Honours Bachelor of Science in Forestry

Four years. The applicant's year 5 program must include mathematics (relations and functions and calculus) and chemistry. Biology is recommended.

Honours Bachelor of Science in Nursing

Four-year basic: applicants must include year 5 chemistry and biology in their programs. English is recommended. Three-year post-diploma: the applicant must hold university entrance requirements including year 5 chemistry (or equivalent) taken within the past five years, or qualify under mature student regulations. The applicant must also have graduated from an approved School of Nursing and provide evidence of current registration or licensure to practice nursing in a province or state.

Honours Bachelor of Physical and Health Education

Four years. The applicant's year 5 program must include English and chemistry. Applicants without year 5 chemistry will be considered on an individual basis and, if accepted, must take chemistry 1060 in first year.

Bachelor of Physical Education in Outdoor Recreation

Three years. Complete year 5 with 60% average.

***Diploma Programs Offered**

Admission to diploma programs will be based on successful completion of an Ontario level 5, year 4 program (or equivalent) which would allow the student to proceed to a full Ontario year 5 program. The overall average must be at least 60%. Certain diploma programs will also continue to require specific subjects at the year 3 and year 4 level for admission.

Applicants with high standing in level 4, year 4 programs will be considered on an individual basis. Programs available include: business administration (three years) - applicants must have standing in years 3 and 4 mathematics.

Engineering technology (three years) with specialization in chemical, civil, electronics or mechanical engineering technology - applicants must have standing in years 3 and 4 mathematics and sciences. Applicants with a full year 5 or equivalent will be admitted to second year of the technology program if they have achieved an overall average of 60% in six subjects and a minimum 60% in mathematics. The six subjects should include year 5 physics, chemistry, three credits in mathematics, and one additional elective. Please note that year 5 applicants who are eligible for entrance to second year of the engineering technology program may continue at Lakehead University, receiving an engineering degree after four successful years of study. Students from year 4 enter first year and receive a diploma in technology after three years and may obtain an engineering degree after two further years of study.

Forest technology (two years) - applicants must have standing in years 3 and 4 mathematics and sciences.

Library technology (two years) - admission is based on evidence of a general level of academic achievement to the Ontario year 4 level.

Library

A six-storey, open stack, 1,000-seat library building holds 215,000 accessioned and catalogued volumes of books and bound periodicals, and over 2,000 volumes of unbound periodicals.

Annual Fees

September 1977 - April 1978

Degree Programs

Arts (including concurrent education, outdoor recreation resources studies, social work and make-up years), commerce and nursing \$715
Applied science \$770
Engineering \$770
Forestry \$832.50
Science (including concurrent education, medical laboratory science and make-up years) \$725
Physical and health education \$802.50
Education degree, B.Ed. (one-year program) \$715

Diploma Programs

\$450

Residence Fees

Single room, \$1,497, double room, \$1,418

Further Inquiries

Inquiries about admission requirements should be directed to

P.A. Paularinhe
Assistant Registrar, Admissions
Lakehead University
Thunder Bay, Ontario P7B 5E1
Telephone (807) 345-2121 ext. 527

Inquiries about secondary school liaison should be directed to

Mrs. S. de Haas
Secondary School Liaison Officer
Lakehead University
Thunder Bay, Ontario P7B 5E1
Telephone (807) 345-2121 ext. 749

Mrs. Susan Hurdon
Secondary School Liaison Officer
Lakehead University
Thunder Bay, Ontario P7B 5E1
Telephone (807) 345-2121 ext. 676

Information and application forms for student awards may be obtained from

J.W. Kerr
Dean of Students
Lakehead University
Thunder Bay, Ontario P7B 5E1

Laurentian University**Sudbury****President: E.J. Monahan**

Laurentian University was founded in 1960 as a bilingual institution. Its campus, a 10-minute drive from downtown Sudbury, extends over 700 acres of rugged and scenic bushland touching on five lakes. The striking buildings dominate the countryside.

Laurentian is one of the few universities in Canada to have a planetarium, a museum and an arts centre. The residences of Huntington, Thorneioe and Sudbury Colleges provide accommodation for 400 students. The Laurentian University residence complex includes University College Residence accommodating 250 students, a single student apartment building accommodating 394 students and a married student high-rise tower with 129 apartments.

Pledged to the maintenance and promotion of both the English and French languages and cultures, Laurentian offers most of the arts courses and some of the science courses in both languages. The academic program of its School of Translators and Interpreters and its sports administration program are unique to Canada.

Three colleges in northern Ontario are affiliated with Laurentian: Algoma in Sault Ste. Marie, Nipissing in North Bay, and Collège de Hearst in Hearst.

Enrolment 1976-77

Full-time (all campuses) 3,077

Faculties and Schools

Faculty of Humanities
Faculty of Professional Schools
Faculty of Science
Faculty of Social Sciences
School of Commerce and Administration
School of Education
School of Engineering
School of Graduate Studies
School of Nursing
School of Physical and Health Education
School of Social Work
School of Translators and Interpreters

General Requirements for Admission

Minimum of three subjects—six credits, with a 60% average at the Ontario year 5 level, or the equivalent. Students enrolled in new programs will be given individual consideration. Asterisk (*) denotes that a petition for variance (admission requirements) may be initiated with the Admissions Office.

Early Admission

Early confirmation of final admission will be granted to students who have, in the opinion of the Admissions Committee, a satisfactory academic background. This acceptance is conditional upon the satisfactory completion of year 5.

Degree Programs and Subject Requirements**Bachelor of Arts****General degree:**

Three years including 15 full courses, normally five courses each year. A concentration (five full courses in one subject taken over three years) is possible in anthropology, economics, education, English, français, French, geography, German, history, Italian, law and justice, linguistics, mathematics, native studies, philosophy, political science, psychology, religious studies, Russian, sociology, Spanish. Canadian studies is an interdisciplinary program.

Honours degree:

Four years, to include 20 full courses, at least eight of which will be honours courses.

Year 5 Subject Requirements for Bachelor of Arts Program

English or français.

Honours Bachelor of Commerce

Four years of study, 20 full courses. An honours Bachelor of Commerce in sports administration is an interdisciplinary program offered jointly by the School of Commerce and Administration and the School of Physical and Health Education.

Year 5 Subject Requirements for Bachelor of Commerce Program*

English or français and two year 5 level mathematics courses.

Bachelor of General Science

Fifteen courses, comprised of general science, non-science, and electives, are required. Considerable flexibility exists so that various emphases or themes can be designed to accommodate different student needs.

Year 5 Subject Requirements for Bachelor of General Science Program

English or français

Bachelor of Science**General degree:**

Three years of study including 15 courses, normally five courses each year. A concentration is possible in biology, chemistry, geology, mathematics, physics.

Honours degree:

Four years, 20 full courses must be completed including at least eight honours courses.

Year 5 Subject Requirements for Bachelor of Science Program*

Calculus, chemistry, plus two of biology, physics, geology and mathematics other than calculus. (Recommended subjects: chemistry, physics, two mathematics, and one other science credit).

*Petitions for variance may be initiated with the Admissions Office.

Bachelor of Science in Nursing

A four-year program preparing the graduate to practice in all health care facilities including hospitals, clinics, public health agencies, family practice units and as nurses in industry. As well, graduates are able to participate in research and may go on to study for master's and doctoral degrees.

Year 5 Subject Requirements for Bachelor of Science in Nursing Program
English or français, chemistry and biology.

Honours Bachelor of Physical and Health Education

A four-year program with a curriculum designed to provide a sound background in physical and health education.

Year 5 Subject Requirements for Bachelor of Physical and Health Education Program
English or français.

Bachelor of Social Work (Honours)

A four-year program with the study of social work beginning in the first year.

Year 5 Subject Requirements for Admission to Bachelor of Social Work (Honours) Program
English or français.

Honours Bachelor of Science in Language

A four-year program to train translators for posts in Canada and abroad with the Canadian government, Canadian industry, and with various international organizations in America and Europe.

Year 5 Subject Requirements for Honours Bachelor of Science in Language Program
English (minimum average 66%), French or français (minimum average 66%). A third language is strongly recommended.

Education

The School of Education offers a one-year program leading to the certification of French-speaking teachers for the elementary French language classes in Ontario schools; a three-year program leading to a Bachelor of Arts with a concentration in education, after which a fourth year may be taken to qualify for a Bachelor of Education degree and an ESTC 4 (Elementary School Teacher's Certificate, Standard 4); a one-year program leading to a Bachelor of Education degree and an ESTC 4 for candidates who have a baccalaureate other than a Bachelor of Arts with a concentration in education.

Year 5 Subject Requirements for Admission to the School of Education
Français, and English or anglais.

Engineering

Instruction is presently offered in the first and second year of a four-year course, leading to the first professional degree in chemical, metallurgical, civil, mechanical and mining engineering. The curricula of the third year in mining and mineral process engineering were approved in February, 1977, and the fourth year has been approved in principle.

Year 5 Subject Requirements for Engineering Program

Mathematics (calculus), mathematics (introductory analytical geometry and algebra), chemistry, physics.

Library

The library's collection includes 400,000 volumes and 4,000 periodicals.

Annual Fees 1977-78

Tuition and incidental fees:
Full-time students \$783.50
(Subject to formal approval)

Residence 1977-78

Single room \$780-\$850
Double room \$650-\$750
Apartments for married students \$150 per month.
Meals are available on a cash basis or a meal card may be purchased.

Further Inquiries

Information and application forms for student awards may be obtained from
R. Woloszczuk
Director of Student Affairs, Awards
Laurentian University
Sudbury, Ontario P3E 2C6
Telephone (705) 675-1151

Inquiries about admission requirements and requests for more general information should be directed to

D. St. Jules
Admissions Officer
Laurentian University
Sudbury, Ontario P3E 2C6
Telephone (705) 675-1151

**Algoma University College
Sault Ste. Marie****President: D.G. Howell**

Algoma University College is a non-sectarian liberal arts college in affiliation with Laurentian University. The college, which has been operating since 1967, is housed in Shingwauk Hall and several adjoining buildings on a 37-acre site overlooking the St. Mary's River. Associated with the college on campus is the Algoma Conservatory of Music, offering lessons and classes leading to the A.R.C.T. and teacher's diploma levels. The college operates a part-time program wholly integrated with the full-time program, and also extensive intersession and summer school programs.

Admission Requirements

Same as for Laurentian University, Sudbury.

***Programs Offered**

Algoma University College offers the full three-year general Bachelor of Arts program. In addition, the college offers the first year of the Bachelor of Science, the first two years of the Bachelor of Social Work and Bachelor of Commerce programs.

Library

80,000 volumes; 1,000 periodical titles. Recently completed is a new library wing which will house 100,000 volumes. Renovations have provided for an improved bookstore, coffee shop and student lounge facilities. The college operates a day nursery on campus for children of students and faculty.

Scholarships

The college offers attractive entrance and continuing scholarships for full-time students, and has a bursary program for part-time students.

Tuition 1977-78

All students, \$145 per course.

Further Inquiries

Information regarding entrance requirements and academic programs may be obtained from

Office of the Registrar
Algoma University College
Shingwauk Hall
Sault Ste. Marie, Ontario P6A 2G4
Telephone (705) 949-2301

Information on other aspects of the college and its services may be obtained from

Public Relations Officer
Algoma University College
Shingwauk Hall
Sault Ste. Marie, Ontario P6A 2G4
Telephone (705) 949-2301

**Nipissing University College
North Bay****President: G.J. Zytaruk**

Though the origins of Nipissing University College can be traced to the beginning of the twentieth century, in many challenging and exciting ways the University College is still young and developing. Nipissing was originally known as Northeastern University and offered a first-year program in 1961, and in the following year senior extension courses. In 1965, the university was renamed Nipissing University College, and two years later, an affiliation agreement was signed with Laurentian University of Sudbury.

In the fall of 1972, Nipissing moved to its present location in the College Education Centre. The Centre is a modern complex designed to complement its beautiful 720-acre natural setting. This campus is enhanced by a small lake, over 10 miles of nature trails, and a five kilometer cross-country ski trail and shelter. Unique townhouse residences are also available on campus.

In September 1973, North Bay Teachers' College, which had operated in the city since 1909, was integrated with Nipissing's Faculty of Arts and became the Faculty of Education.

Nipissing University College will continue to prepare students for their degree according to approved university standards while recognizing the special needs and advantages of our northern milieu. Although Nipissing is growing rapidly, it will never abandon the benefits of a small university atmosphere.

Enrolment 1976-77

Full-time 460
Part-time 550

Faculties
Faculty of Arts
Faculty of Education

General Requirements for Admission

Ontario Year 5

Successful completion of a full year 5 program consisting of six credits, or five courses of different disciplines, with a minimum 60% overall average. At least three of the five courses, or four of the six credits, must be from languages, mathematics, sciences or social sciences. Applicants wishing to pursue their studies in a given language are advised to take two credits in that language. Applicants wishing to concentrate in mathematics must have at least two credits in mathematics, one of which must be calculus.

For admission purposes, one subject may be replaced with a Teacher's Certificate which has a credit value of one. Music (grade nine piano and grade three theory) also counts for one credit.

Early Admission

Early confirmation of final admission will be granted to students who have, in the opinion of the Admissions Committee, a satisfactory academic background. This acceptance is conditional upon the satisfactory completion of year 5.

Ontario Year 4

Applications will be considered for the admission of superior year 4 students directly into the first year of a degree program. Such candidates must have obtained a minimum average of 80% in year 4 and have maintained an A average throughout secondary school. A personal biography, as well as a positive recommendation from the guidance counsellor and/or principal is required. Prior to admission the candidate will be interviewed by the Dean and performance will be reviewed in November and at the end of the academic year.

Current Year 5 Students

Subject to certain conditions, current year 5 students may take university courses concurrently with their secondary school program; however, credit will not be granted for courses passed until the admission requirements of the university are met. Such students may enrol for only one session at a time, as special students, with their record to be reviewed at the end of each session to which they applied without a normal basis for admission. The recommendation of the Dean is required for admission.

Mature Candidates

The university college will consider for admission to the first year of the Bachelor of Arts program persons who are 21 years of age or over as of October 1 of the current year; those who have been away from formal schooling for at least one academic year; and those who do not meet the usual year 5 entrance requirements. Such a candidate is admissible as a mature student on probation. If the candidate plans to attend full-time, he must complete a Mature Student Test.

Degree Programs and Subject Requirements

Bachelor of Arts

The general Bachelor of Arts degree is usually taken in three years. It consists of 15 courses including five in the area of concentration and three in an area of continuation. No more than eight first-year courses may be contained in the full program. Concentrations are offered in English, français, geography, history, mathematics, psychology, and sociology. Continuations are also offered in classics, environmental studies, and political science.

Year 5 Subject Requirements for Bachelor of Arts Program
English or français.

Bachelor of Education

The Faculty of Education at Nipissing offers a one-year consecutive program leading to a Bachelor of Education degree. This program prepares candidates for teaching in the elementary schools of Ontario and meets the Ministry of Education requirements for the Elementary School Teacher's Certificate, Standard 4, which is valid up to and including year 2 of secondary school.

Requirements for Admission

Proof of graduation with an approved degree from an accredited university. Birth certificate and proof of freedom from active tuberculosis.

Partial Programs

Nipissing also offers parallel first-year programs in the Bachelor of Science, Bachelor of Social Work, and the first two years of the Bachelor of Commerce. Students enrolling in these partial programs may complete one or two years at Nipissing and then they must transfer to Laurentian or to another university to complete their degree.

Year 5 Subject Requirements for Partial Programs

Bachelor of Science—calculus, chemistry, and two of biology, geology, physics or mathematics.
Bachelor of Social Work—English or français.
Bachelor of Commerce—English or français, and two credits in mathematics.

Library

The library's collection includes 65,000 volumes and 460 periodical titles.

Annual Fees 1977-78

Tuition and incidental fees:
Full-time students \$770

Residence 1977-78

The student residence, which accommodates 300 students, is built as 50 apartments in the style of townhouses. Each furnished townhouse accommodates six people. Each student has his or her own bedroom and built-in study area. The fully-equipped kitchen, dining room and living room are shared.

Further Inquiries

Information regarding entrance requirements, academic status and scholarships may be obtained from
The Registrar
Nipissing University College
P.O. Box 5002
Gormanville Road
North Bay, Ontario P1B 8L7
Telephone (705) 474-3450

Inquiries about financial assistance, accommodation or facilities should be sent to
The Information and Student Awards Officer
Nipissing University College
P.O. Box 5002
Gormanville Road
North Bay, Ontario P1B 8L7
Telephone (705) 474-3450

McMaster University

Hamilton

President: Arthur N. Bourns

Neither small nor yet a multiversity, McMaster began in the last century as a Baptist theological school in Toronto.

Since moving to Hamilton in 1930, McMaster has become non-denominational, grown to number 40 buildings, and introduced new programs in business, health sciences, social work, music, nuclear science and engineering, to mention only a few.

The Faculty of Business and the Faculty of Engineering, whose individual programs are well recognized, have recently established a joint program to meet the special demands of modern industry and commerce. The Faculty of Medicine has, in a very few years, earned an international reputation for its imaginative system of medical education. The School of Nursing shares with Medicine the excellent facilities for training and service that are located in the university's Health Sciences Centre. The School of Social Work has developed a broad community involvement that assures a variety of career opportunities to its students. The School of Physical Education is housed in a modern and well equipped complex which includes several gymnasias and an Olympic-length swimming pool.

One of Ontario's medium size universities, McMaster combines the intimacy of a small university with the range of opportunities of the larger institutions. Students at McMaster enjoy easy contact with the faculty and find many opportunities to make close friendships, especially in the newly renovated student centre, Hamilton Hall, with its brightly coloured lounges and clubrooms.

The university's residences offer a wide choice of accommodation which include separate facilities for men and women, a co-educational residence and a new apartment-style building. The residences are situated above the beautiful Royal Botanical Gardens where hundreds of acres of park lands provide an attractive backyard for the university.

McMaster is located in an established residential area of Hamilton, a vigorous city which has undergone a remarkable rejuvenation in recent years. Students will find that the centre of the city now boasts a splendid theatre-auditorium which offers an excellent range of musical and dramatic entertainment. The fast-developing Hamilton Philharmonic Orchestra, active little theatre companies, and the promise of a new art gallery, exemplify a city where cultural life thrives and complements the many cultural activities that take place on the university campus.

Enrolment 1976-77

Full-time 10,425

Faculties and Schools

Faculty of Business
Faculty of Engineering
Faculty of Health Sciences
Faculty of Humanities
Faculty of Science

Faculty of Social Sciences
School of Adult Education
School of Graduate Studies
School of Medicine
School of Nursing
School of Physical Education and Athletics
School of Social Work
McMaster Divinity College (affiliated)

General Admission Requirements for 1977-78

Year 4 Requirements

Physical Education 1 and Social Sciences 1 require mathematics at least to the end of year 4. However, applicants to Physical Education 1 and to Social Sciences 1 who have not been able to comply with this requirement will be considered and should write to the Assistant Registrar (Admissions).

Year 5 Requirements

Applicants for admission must have standing satisfactory to the university in the appropriate area requirements, together with any additional work sufficient to qualify the applicant for the Ontario Secondary School Honour Graduation Diploma.

It is strongly recommended that all potential applicants take a senior high school course in English designed to improve their basic reading and writing abilities. Applicants to Business 1, Humanities 1, and Music 1 must offer year 5 English for admission. *Note:* Higher standings may be required of applicants who have repeated any year 5 work for remedial or upgrading purposes.

Early Admission

Subject to satisfactory completion of year 5, early admission will be granted to selected applicants who are attempting for the first time all the year 5 credits for admission to a given first year.

Year 5 Requirements for Specific Fields of Study

The university is aware of the variety of experimental programs being offered in Ontario secondary schools and welcomes applicants from these programs. Although it may not be possible for some of these applicants to meet exactly the subject requirements outlined below, they are urged to write the Assistant Registrar (Admissions) who will ensure that careful consideration is given to their individual cases. Humanities 1, Natural Sciences 1 and Social Sciences 1 are broad fields of study in first year leading to a variety of honours and pass programs in the second year. Business 1, Engineering 1, Music 1, Nursing 1 and Physical Education 1 are the first year programs leading to the Bachelor of Commerce, Bachelor of Engineering, Bachelor of Music, Bachelor of Science in Nursing and Bachelor of Physical Education, respectively. *Note:* Business 1, Engineering 1, Physical Education 1, Natural Sciences 1 and Nursing 1 have limited enrolment. Admission to these programs is by selection, therefore the minimum requirements will not guarantee admission.

Area Requirements

Business 1:

Six year 5 credits are required, including one credit in mathematics (preferably calculus) and one credit in English.

Engineering 1:

Chemistry, physics, and three credits in mathematics (including calculus).

An applicant from an Ontario secondary school will be eligible for admission to Engineering 1 under one of the following categories:

- weighted average of 64% in three year 5 credits in mathematics, one year 5 credit in each of physics and chemistry, and an overall average of 64% in six credits offered for the Ontario Secondary School Honour Graduation Diploma
- weighted average of 70% in six credits offered for the OSSHGD as well as 72% in two credits in mathematics (which should include calculus) at year 5. Year 5 physics or chemistry is not necessary for admission but must be presented at year 3 and year 4. Further details on this category of admission can be obtained from secondary school guidance departments.

Students admitted under the first category take the Engineering 1 program while those admitted under the second category take a modified Engineering 1 program determined in consultation with the Associate Dean of Engineering.

Humanities 1:

English and a language other than English. Those applicants who lack a year 5 language other than English may be accepted for admission on the understanding that they include a language other than English in their first year program. The level of the language course to be taken will be determined by the applicant's background in that subject.

Students intending to take Art 1 A6 must submit to the Chairman of the Department of Art and Art History a portfolio to show their interest and ability.

Music 1:

Students interested in registering in the music program will need to:

- complete six year 5 credits with an overall weighted average of 60% (English to be included in these six credits), and satisfy the audition requirement which consists of:
 - performance of two or three varied pieces of the candidate's choice, including one from the 20th century. Required standard at least Grade 9.
 - ear tests,
 - short written examination, consisting of rudiments,
 - viva voce and interview, and
 - demonstration of basic keyboard skills including scales, chords, harmonization of a simple melody. (Those applicants unable to meet minimum musical standards will be expected to register in a basic keyboard skills course).

Students who lack a year 5 language other than English will be admitted on the understanding that they include a language other than English in first year. The level of the language course to be taken will be determined by the applicant's background in that subject.

Natural Sciences 1:

An applicant from an Ontario secondary school is required to attain a weighted average of at least 60% in six year 5 credits and satisfy the following requirements: one year 5 credit in calculus, physics or a second mathematics, plus one year 5 credit from biology or chemistry or mathematics, with a weighted average of at least 60% in these three credits.

It is strongly recommended that applicants who intend to proceed to programs in applied chemistry, applied mathematics, applied physics, biochemistry, chemistry, geology, mathematics, metallurgy or physics present additional year 5 mathematics credits. It is recommended that students who intend to proceed to a program in biology include year 5 biology.

Nursing 1:

Year 4 mathematics and year 5 chemistry, and two additional year 5 credits chosen from biology, English, another language, mathematics and physics.

As places in first year nursing are limited, admission is by selection. To qualify for consideration, applicants from various academic backgrounds are expected to have qualifications equivalent to the requirements outlined. Mature students and students who do not meet these requirements are invited to write to the Assistant Registrar (Admissions).

Physical Education 1:

There are no specific year 5 subject areas which are required for admission to Physical Education 1, although it is recommended that one or two of the following sciences be included in year 5: biology, chemistry, physics. Mathematics at least through year 4 is required, although applicants who are not able to comply will be considered.

Social Sciences 1:

There are no specific year 5 credits required for admission to social sciences. Mathematics at least through year 4 is required, although applicants who are not able to comply will be considered.

Applicants who might be interested in concentrating in economics, psychology, or geography from Social Sciences 1 are strongly advised to include mathematics in their year 5 programs.

Applicants to Social Sciences 1 (Art) may be asked to submit a portfolio.

Degree Programs Offered*Bachelor of Arts****Pass program:**

Three years. Available in anthropology, art and art history, classical civilization, dramatic arts, economics, English, French, geography, German, history, Italian, Latin, music, philosophy, political science, psychology, religious studies, Russian studies, sociology, Spanish.

Honours program:

Four years. Available in the following subjects and combinations of these: anthropology, art and art history, classical civilization, classics, dramatic arts, economics, English, French, geography, German, Greek, history, Italian, Latin, music, philosophy, political science, psychology, religious studies, Russian studies and another subject, sociology, Spanish.

The Faculty of Social Sciences has a special integrated studies program in first year to which a limited number of students are admitted. Students interested in applying to this course should write to the Undergraduate Student Advisor, Faculty of Social Sciences, McMaster University, Hamilton, Ontario L8S 4L8.

Bachelor of Science**Pass program:**

Three years. Available in biology, chemistry, computer science, geography, geology, mathematics, physics, psychology, science.

Honours program:

Four years. Available in applied chemistry, applied mathematical sciences, applied mathematics and computer science, applied mathematics and theoretical physics, applied physics, applied statistics and computation, biochemistry, biochemistry and chemistry, biology, chemistry, chemistry and geology, chemistry and physics, computer science and mathematics, geography, geology and geology, geology, mathematics, metallurgy and materials science, physics, psychology, statistics.

Major program:

Four years. Available in applied mathematical sciences, applied mathematics and computer science, applied statistics and computation, biochemistry, chemistry, computer science and mathematics, geology, mathematics, metallurgy and materials science, physics.

Bachelor of Science in Nursing

Four years.

Bachelor of Engineering

Four years. Available in ceramic, chemical, civil, electrical, mechanical, metallurgical engineering and engineering physics.

Bachelor of Engineering and Management

Five years. Available in combination with chemical, civil, electrical, mechanical engineering and engineering physics.

Bachelor of Commerce**Honours degree:**

Four years.

Bachelor of Physical Education

A four-year program leading to the Bachelor of Arts and Bachelor of Social Work degrees.

Bachelor of Music**Honours degree:**

Four years. Available in history and theory of music and in music education.

Medicine

Three-year program leading to M.D. Open to those with three years of university.

Library

The university library contains some 745,000 catalogued books, periodicals and government documents. It possesses 890,000 microfilm cards and reels, over 79,000 maps, 1,226,000 pieces of archival material and 6,000 recordings.

The Division of Archives and Special Collections houses rare books, manuscripts and archival material, which afford opportunities for original research. Among the unique holdings are the renowned Bertrand Russell Archives, manuscripts of English and Canadian authors, including those of Anthony Burgess, Margaret Laurence and Pierre Berton, and a large and significant section of 18th century publications. Of particular interest to students are the papers of some Canadian student organizations, such as the Canadian Union of Students.

Accommodation

There is at present accommodation for 2,339 women and men. The rooms are provided with staple articles of furniture—tables, chairs, beds, mattresses, pillows and all necessary bedding. Resident students are required to supply towels at their own expense.

The services of the infirmary, staffed by graduate nurses, are available to all resident students.

The women's residences are administered by the Dean of Women, the men's residences by the Dean of Men, and the co-educational and apartment-style residences by the Dean of Students.

Residence fees for 1976-77 are \$1,410 and include room, and lunch and dinner five days per week. Fees for the Bates residence are \$844 for a single bedroom apartment, \$801 for a three and four bedroom apartment and \$871 for a six bedroom apartment without meals. The meal plan costs \$605.

Annual Academic Fees 1977-78

(including tuition and incidental fees) (subject to change)

Art and art history \$735.50
Arts and social sciences \$740.50
Commerce \$735.50
Engineering \$805.50
Medicine \$1,200
Music \$745.50
Nursing \$730.50
Physical education \$745.50
Science \$750.50
Social work \$735.50

Further Inquiries

Information about admission requirements may be obtained from Assistant Registrar (Admissions) McMaster University Hamilton, Ontario L8S 4L8 Telephone (416) 525-9140 ext. 4796

General information about the university may be obtained from Division of Student Liaison McMaster University Hamilton, Ontario L8S 4L8 Telephone (416) 525-9140 ext. 4787

Information about scholarships may be obtained from Academic Awards Officer McMaster University Hamilton, Ontario L8S 4L8 Telephone (416) 525-9140 ext. 4789

Information and application forms for financial assistance may be obtained from Director of Student Financial Aid McMaster University Hamilton, Ontario L8S 4K1 Telephone (416) 525-9140 ext. 4381

University of Ottawa

Ottawa

Rector: Roger Guindon

In its present form and structure, the University of Ottawa dates from July 1, 1965. Historically its beginnings derive from the College of Bytown, established 127 years earlier, on August 15, 1848, by the Oblate Fathers of Mary Immaculate.

Two provisions in its charter render the university unique among the universities in Ontario, indeed in Canada. Besides the advancement of learning and the dissemination of knowledge, its particular objectives are:

- 1) to further, in accordance with Christian principles, the intellectual, spiritual, moral, physical and social development of, as well as a community spirit among, its undergraduates, graduates and teaching staff, and to promote the betterment of society;
- 2) to further bilingualism and biculturalism and to preserve and develop French culture in Ontario.

These ensure the university's continued development as a place of learning with the kind of personality and atmosphere possible only in a genuinely Canadian institution where both the English and French languages, and both cultures, are evident and at work throughout the length and breadth of its campus.

Enrolment 1976-77

Undergraduate full-time and part-time 15,176
Graduate full-time and part-time 3,235
Total 18,411

Faculties and Schools

Faculty of Administration
Faculty of Arts
Faculty of Education
Faculty of Law (Common Law and *Droit civil*)
Faculty of Medicine
Faculty of Philosophy
Faculty of Psychology
Faculty of Science and Engineering
Faculty of Social Sciences
School of Graduate Studies
School of Human Kinetics and Leisure Studies
School of Library Science
School of Nursing

General Requirements for Admission in 1977

Approved year 4 and year 5 subject areas: art, economics, geography, history, languages, music, political science, pure mathematics, pure sciences, religious studies, sociology, theatre.

Admission from Ontario Year 4

Faculty of Arts

Arts:

English or français—one credit, five other credits, of which four must be in the previously mentioned approved subject areas. Also required are a minimum of six credits, 50% per course, and an overall average of 80% on final marks. The year 4 candidate is

admitted to the first year of the Faculty of Arts. Enrolment is limited.

Faculty of Science and Engineering

Pre-science year:

English or français—one credit; mathematics—one credit; science (physics 300 and chemistry 400)—one credit each; three other credits, of which two must be in the previously mentioned approved subject areas. Also required are a minimum of six credits at the year 4 level, 50% per course, an average of 65% in science-mathematics, and an overall average of 65%.

Faculty of Social Sciences

English or français—one credit; five other credits, of which four must be in the previously mentioned approved subject areas. Also required are a minimum of six credits, 50% per course, and an overall average of 80% on final marks. The year 4 candidate is admitted to the first year of the Faculty of Social Sciences. Enrolment is limited.

*Degree Programs and Subject Requirements

Bachelor of Arts

General or with a concentration:

Three years from Ontario year 5. Available in classical art and archaeology, classical studies, economics, English, geography, German, history, history of religions, *lettres françaises*, linguistics, mathematics, medieval studies, music, philosophy, political science, religious studies, Slavic studies, social communications, sociology, Spanish, theatre, visual arts.

Honours:

Four years from Ontario year 5. Available in applied linguistics; English as a second language, classical studies, English literature, French language and literature, geography, history, *langue et littérature françaises*, linguistics, mathematics, music, religious studies, Slavic studies, social communications, Spanish, theatre, translation, visual arts.

Year 5 Requirements for Admission

An overall average of at least 60% in English or français (one credit), and five other credits of which four must be from the previously mentioned approved subject areas.

Bachelor of Arts (Philosophy)

Honours:

Three years from the first year of a Bachelor of Arts program after Ontario year 5.

Bachelor of Arts (Psychology)

Concentration or honours:

Two or three years from the first year of a Bachelor of Arts program after Ontario year 5.

Bachelor of Music

Honours:

Four years from Ontario year 5. Available in composition, education, musicology, performance.

Year 5 Requirements for Admission

An overall average of at least 60% in the following subjects: English or français (one credit), and five other credits of which four must be from the previously mentioned approved subject areas.

Musical Requirements

Candidates will undertake two tests. They will perform, on their major instrument, an audition of 15 minutes to be evaluated by three adjudicators appointed by the Department of Music. They will also take a test to determine the extent of their knowledge in the rudiments of music.

Bachelor of Administration

Three years from Ontario year 5.

Year 5 Requirements for Admission

An overall average of 60% in the following subjects: English or français (one credit), mathematics—functions and relations (one credit), mathematics—calculus (one credit), three other credits of which two must be from the previously mentioned approved subject areas.

Bachelor of Commerce, Bachelor of Management Sciences, Bachelor in Public Administration

Honours:

Four years from Ontario year 5.

Year 5 Requirements for Admission

An overall average of at least 60% in the following subjects: English or français (one credit), mathematics—functions and relations (one credit), mathematics—calculus (one credit), and three other credits of which two must be from the previously mentioned approved subject areas.

Bachelor of Science in Nursing

Honours:

Four years from Ontario year 5.

Year 5 Requirements for Admission

An average of 65% in each science course and an overall average of 60% in the following subjects: English or français (one credit), biology (one credit), chemistry (one credit), and three other credits of which two must be from the previously mentioned approved subject areas.

Bachelor of Physical Education, Bachelor of Science in Recreationology

Honours:

Four years after Ontario year 5.

Year 5 Requirements for Admission

An overall average of at least 60% in the following: English or français (one credit), and five other credits of which four must be from the previously mentioned approved subject areas. A letter of recommendation is required from a person competent in evaluating the promise of success in the given field of studies. Curriculum vitae must be submitted describing experience and reasons for wanting to complete the degree.

Bachelor of Science in Kinesiology

Honours:

Four years after Ontario year 5.

Year 5 Requirements for Admission

An overall average of at least 60% in the following subjects: English or français (one credit), mathematics—functions and relations, or calculus, or algebra (one credit), science—biology or chemistry or physics (one credit), and three other credits, of which two must be from the previously mentioned

approved subject areas. A letter of recommendation is required from a person competent in evaluating the promise of success in the given field of studies. Curriculum vitae must be submitted describing experience and/or reasons for wanting to complete the degree. For the Bachelor of Science in Kinesiology, preference will be given to candidates with more than one credit in mathematics and in science.

Bachelor of Science

General:

Three years from Ontario year 5. Available in physical sciences, life sciences and earth sciences.

Major:

Three years from Ontario year 5. Available in biochemistry, biology, chemistry, computer science, geology, mathematics, mathematics-science, physics, physics-mathematics.

Honours:

Four years from Ontario year 5. Available in biochemistry, biochemistry (nutrition-dietetics), biology, chemistry, computer science, geology, mathematics, mathematics-science, physics, physics-mathematics.

Year 5 Requirements for Admission

An overall average of at least 60% and an average of at least 60% in the science and mathematics subjects.

Mathematics—functions and relations (one credit), and mathematics—calculus (one credit) or mathematics—algebra (one credit), a) physics or chemistry (one credit), and three other credits of which two must be from the previously mentioned approved subject areas. All three mathematics and both physics and chemistry are recommended.

Bachelor of Applied Science

Four years from Ontario year 5. Available in electrical, chemical, civil and mechanical engineering.

Year 5 Requirements for Admission

An overall average of at least 60% and an average of at least 60% in the science and mathematics subjects.

Mathematics—functions and relations (one credit) and mathematics—calculus (one credit), or mathematics—algebra (one credit) and physics or chemistry (one credit) and three other credits of which two must be from the previously mentioned approved subject areas. All three mathematics and both physics and chemistry are recommended.

Bachelor of Social Sciences

With major:

Three years from Ontario year 5. Available in economics, political science and sociology.

Honours program:

Four years from Ontario year 5. Available in economics, political science and sociology.

Honours program with concentration:

Four years from Ontario year 5. Majors offered in economics, political science and sociology.

Concentrations available in economics, geography, history, mathematics, philosophy, political science, psychology, public administration and sociology.

Year 5 Requirements for Admission

An overall average of at least 60% in six credits from acceptable courses. The student who wishes to specialize in economics must present mathematics—functions and relations (one credit) and mathematics—calculus (one credit).

Bachelor of Education

One year following a recognized bachelor's degree, leading to the Elementary School Teacher's Certificate.

Bachelor of Laws

(Common Law section of the Faculty of Law)
Three years following a minimum of two years of a bachelor's program beyond Ontario year 5 in a recognized university.

Licence en Droit

(Section de Droit civil de la Faculté de Droit)
Trois années après le baccalauréat ès arts ou l'obtention d'un diplôme jugé équivalent.

Combined Bachelor of Laws—Licence en Droit Program

A common content of Canadian law subjects makes it possible to combine both programs, enabling students to obtain both degrees in four years.

Doctor of Medicine

Candidates in the following categories are eligible to apply for admission to first year of the four-year M.D. program:

- a) students who have completed successfully, in an Ontario university, the first two years of a B.Sc. program, provided it includes at least one year of physics, one year of general and inorganic chemistry, one year of general biology or zoology, and one year of organic chemistry.
- b) students of other universities who have completed studies equivalent to those listed in (a), provided such studies comply with the regulations of the College of Physicians and Surgeons of Ontario.

Financial Assistance

Students in financial need may apply for assistance from a variety of sources. Government assistance is available to full-time students in the form of loan and/or grant and to part-time students as bursaries or loans.

For further information concerning government assistance see the introductory section on financial assistance and check with the university's Student Financial Aid Office. The Student Financial Aid Office will also have details on bursaries and scholarships offered by the university.

Residence Accommodation

The student residences on campus are Marchand Hall (350 men), Stanton Hall (357 women), Leblanc Hall (110 men and women) and Thompson Hall (457 men and women).

Residence Fees

Academic year

Single room: \$775
Double room: \$660

Annual Fee

Pre-science year \$597
Medicine \$817
Music (Bachelor of Music) \$672
Science and engineering \$722
All other undergraduate programs \$647

Federated University and Affiliated College

Saint Paul's University, Ottawa

Further Inquiries

Inquiries about undergraduate admission should be directed to
Office of the Registrar
(Admissions)
University of Ottawa
Ottawa, Ontario K1N 6N5
Telephone (613) 231-3930

For information and application forms for student awards, write to

Mr. Michel Leduc
Director
Student Financial Aid Office
University of Ottawa
Ottawa, Ontario K1N 6N5
Telephone (613) 231-2484

For information about university programs, write to

Miss M. Danielle Chartrand
Admissions Officer
University of Ottawa
Ottawa, Ontario K1N 6N5
Telephone (613) 231-3930

Queen's University

Kingston

Principal: Ronald L. Watts

Queen's was founded by Royal Charter in 1841 as a Presbyterian College and has grown both physically and in reputation to become one of Canada's best-known medium-sized universities. Its initial enrolment of 10 students has grown now to include 10,000 full-time students who attend classes on two campuses. The main campus is located close to downtown Kingston, one of Canada's oldest and most historic cities, while the Faculty of Education and Richardson Memorial Stadium are located a mile away on the West Campus. Nineteenth century limestone structures on the main campus harmonize with more modern buildings, some built as recently as 1975, to accommodate the growing diversity of the university's facilities.

Queen's University has long had a reputation for developing in its students and graduates a deep personal commitment. This is due in part to its modest size and to the fact that the overwhelming majority of students leave their hometown to study at Queen's and become an integral part of the university community by taking up residence on or near the campus.

Student life at Queen's is enriched by an art gallery, films, concerts, special lectures, an international centre, a radio station and a large physical education complex. With more than one million volumes, the library system at Queen's has one of the highest ratios of books per student in Canada.

Enrolment 1976-77

Total full-time undergraduate 10,582

General Requirements for Admission for 1978

In general, applicants must satisfactorily complete a full year of academic work at the year 5 level as certified by the school. No student with an average of less than 60% will be considered for admission but, because of limitations of space, preference will be given to students with the best qualifications.

Students, in planning their secondary school programs, should note that a number of courses taken in the first university year have secondary school prerequisites. Details may be found in the calendars. Generally, students continuing university work in the mathematics or natural sciences are expected to have year 5 or equivalent standing in those subjects.

Early offers of admission are made each year to applicants who have attained satisfactory standing, who are recommended by their principal and who satisfactorily complete year 5. The details of standing required for admission are determined each year and vary among the faculties and schools. Early offers of admission will be withdrawn from students who have failed to complete the year satisfactorily.

•Degree Programs and Admission Requirements

Bachelor of Arts

Three years; 15 courses over the three-year period; includes a minor concentration of five courses in one subject. In some disciplines, one or two prerequisites or co-requisite courses in other disciplines may be required to support a minor concentration. Additional courses to complete the 15 courses required for the degree may be chosen freely by the student, provided the prerequisites for the courses have been met. A minor concentration may be taken in any of the following: art history, biochemistry, biology, chemistry, classical studies, computing and information science, drama, economics, English, film studies, French, geography, geological sciences, German, Greek, history, Italian, Latin, mathematics, music, philosophy, physics, political studies, psychology, religion, Russian, sociology, Spanish. In addition, special inter-departmental programs are offered in the following: health, image of man in modern literature, life sciences.

Bachelor of Arts (Honours)

Four years; minimum of 19 courses arranged in one of the following patterns:

- major concentration of 10 courses in one subject plus electives,
 - two medial concentrations of seven courses in each of two subjects (one must be a humanities or social science) plus electives, or
 - a special field concentration of 14 courses in two or more subjects organized around a particular period, culture, problem or discipline area, plus electives.
- A major concentration may be taken in one of the following areas: art history, classical studies, drama, economics, English, film studies, French, geography, German, Greek, history, Latin, philosophy, political studies, psychology, religion, Russian, sociology, Spanish.
 - Medial concentrations may be taken in the following areas (one must be a humanities or social science): art history, biology, chemistry, classical studies, computing and information science, drama, economics, English, film studies, French, geography, geological sciences, German, Greek, history, Italian, Latin, mathematics, music, philosophy, physics, political studies, psychology, religion, Russian, sociology, Spanish.
 - A special field concentration may be taken in one of the following: Canadian studies; classical studies; classics; Commonwealth studies; culture change; French language, translation, French Canadian studies; Greek language and civilization; Latin language and civilization; mediaeval studies; Russian and East European studies; social behaviour; Spanish and Latin American studies.

Requirements for Admission to Bachelor of Arts Programs

Completion of a full year of academic work at the year 5 level as certified by the school. **Note:** For B.A. with a minor or medial concentration in mathematics, applicants must offer two credits in mathematics (chosen from calculus, algebra, functions and relations). All three are strongly recommended. For the Bachelor of Arts degree with a minor or medial concentration in science, applicants must offer two credits in mathematics

(chosen from calculus, algebra, functions and relations) and one credit in two of biology, chemistry, physics. All three mathematics are strongly recommended for students intending to concentrate in physics or chemistry.

Honours concentrations entirely in mathematics and the natural sciences lead to the degree of B.Sc. (Honours) or B.Sc. (Honours, subject of specialization).

Bachelor of Science (Honours)

Four years; 20 courses. The Bachelor of Science (Honours) program is analogous to the Bachelor of Arts (Honours) program, and may be pursued according to the following patterns:

- a major concentration of 10 courses designated by one of mathematics or the natural sciences departments, plus supporting courses and electives, or
 - a 14-course concentration specified by two or more of mathematics or the natural sciences departments, plus supporting courses and electives.
- A major concentration of 10 courses may be taken in one of: biology, chemistry, computing and information science, geography, geological sciences, mathematics, physics.
 - A 14-course concentration may be taken in one of the following: biology and chemistry; chemistry and computing and information science; chemistry and geography; chemistry and geological sciences; chemistry and mathematics; computing and information science and mathematics; computing and information science and physics; physics and mathematics.

Bachelor of Science (Honours, Subject of Specialization)

Four years; 20 courses. This program consists of a highly specialized concentration of up to 18 courses specified by one or more departments, plus supporting courses and electives.

It is available in the following areas: biochemistry, biology, chemical physics, chemistry, geography, geological sciences, geological sciences with physics, life sciences, mathematical physics, mathematics, mathematics and statistics, physics, probability and statistics, theoretical physics.

Requirements for Admission to Bachelor of Science Programs

Completion of a full year of academic work at the year 5 level as certified by the school, to include two credits in mathematics (chosen from calculus, algebra, functions and relations), one credit in chemistry and one credit in physics.

- Biology may be substituted for physics by students entering programs in biology. If year 5 physics is not offered for admission, physics 001 must be taken in the first university year. All three mathematics credits are strongly recommended for students entering chemistry, mathematics or physics.
- The Bachelor of Science program in mathematics is designed for students who wish to specialize to a high degree in mathematics. A medial concentration in mathematics is available in the Bachelor of Arts program, however, a major concentration is available only in the Bachelor of Science program.

- c) Students intending to undertake a Bachelor of Science (Honours) program with a concentration in mathematics or a Bachelor of Science (Honours Mathematics) program with supporting subjects in the arts, commerce or computing and information science may substitute year 5 options for chemistry and physics

Bachelor of Arts and Bachelor of Physical and Health Education

Combined program:

Four years. Students take 15 arts and science courses as for the three-year Bachelor of Arts program and additional work in courses, seminars, camping and ski schools in the physical and health education portion of the program, for a total of 25 courses or their equivalents for the B.A./B.P.H.E. program. Upon successful completion the student is granted the degrees of Bachelor of Arts and Bachelor of Physical and Health Education.

Requirements for Admission to the Combined Bachelor of Arts-Bachelor of Physical and Health Education Program
Completion of a full year of academic work at the year 5 level as certified by the school to include one credit in mathematics and one credit in chemistry. If the school offers physical and health education as a year 5 credit, students are advised to include it in their program.

Bachelor of Art Education

A four-year program offered by the Department of Art which maintains a balance of studio and academic studies. The program promotes a high level of awareness, understanding and excellence in the study and practice of art, and high critical standards.

The curriculum consists of 20 courses, the equivalent of 10 courses in studio art, five in art history and five electives. The studio courses comprise drawing, painting, sculpture, printmaking and photography, and they occupy a minimum of 18 hours each week.

The program guides students toward careers as artists, independently and through fine art graduate programs. Importantly, it also guides them toward a teaching vocation in secondary schools, for which they must complete in Ontario a fifth year at a recognized faculty of education. They may pursue careers in the museum and gallery field, and may enter the teaching profession at community colleges and universities, with appropriate further study.

Requirements for Admission to the Bachelor of Art Education Program

Completion of a full year of academic work at the year 5 or equivalent level as certified by the school. Year 5 art should be included where possible but it is not mandatory. Assessment for admission rests on an interview and portfolio examination as well as on academic achievement.

Bachelor of Music

A four-year program designed to produce professional musicians with areas of concentration in applied music (performance), history and literature of music, instrumental and choral music in education, and theory and composition of music. Students may also study performance throughout the four years in individual lessons and in large and chamber ensembles. In addition to courses in mu-

sic, the program also includes a minimum of five academic courses in subjects outside music.

Requirements for Admission to the Bachelor of Music Art Program

Completion of a full year of academic work at the year 5 level as certified by the school, which may include year 5 music. In addition, the following Royal Conservatory (Toronto) levels are normal requirements:

- a) Grade 9 piano; Grade 2 rudiments; or
- b) Grade 8 organ; Grade 8 piano; Grade 2 rudiments; or
- c) Grade 8 standard orchestral or band instrument, classical guitar, voice, free bass accordion; Grade 6 piano; Grade 2 rudiments.

All candidates are normally required to audition and to take an aural discrimination test provided that distance does not prohibit. Applicants without the specified music requirements but who are experienced as instrumentalists or singers may apply to the Department of Music for a qualifying audition. Such applicants not completing Grade 6 keyboard prior to entering the B.Mus. program must do so, at their own expense, before proceeding to second year.

Engineering

A four-year engineering program offered by the Faculty of Applied Science leading to a Bachelor of Science. The first year is common to all engineering programs with the student taking courses in mathematics, physics, chemistry, geology or biology, engineering graphics and computer programming (Fortran). Prior to the commencement of the second year, the student must select one of the following 10 programs: chemical engineering, engineering chemistry, civil engineering, electrical engineering, geological engineering, mathematics and engineering, mechanical engineering, metallurgical engineering, mining engineering, or engineering physics.

The Faculty has developed an extended first year program, designed to enable certain first year students to compensate for deficiencies in chemistry, mathematics, and physics by providing an intensive review of prerequisite material in the fall term, proceeding with the normal program in the winter term and in May and June.

Requirements for Admission to the Faculty of Applied Science

Completion of a full year of academic work at the year 5 level as certified by the school, including three credits in mathematics (to include functions and relations, calculus, algebra), one credit in chemistry and one credit in physics. Admission is based on a comprehensive evaluation of the student rather than on academic record alone.

Note: A student may be refused admission if standing in any one of mathematics, physics or chemistry is less than 65% or its similar grade. A student whose competence in the use of the English language is considered inadequate may be required to complete a non-credit course in remedial English.

Bachelor of Commerce

A four-year program leading to the degree of Bachelor of Commerce and designed to prepare students to pursue rewarding careers in the complex world of business or related fields. The curriculum provides a balanced program embracing the fields of accounting,

finance, marketing, production, industrial and human relations, and quantitative methods. The structure of this curriculum enables the student to acquire a breadth of perspective, as well as to concentrate on one or more chosen functional areas. Since close relations exist between the programs in the School of Business and its allied disciplines in the university, the student is afforded the opportunity of selecting optional courses in the fields of computing and information science, economics, geography, history, languages, mathematics, philosophy, political studies, psychology, sciences, and sociology.

Requirements for Admission to the School of Business

Completion of a full year of academic work at the year 5 level as certified by the school to include one credit in English and two credits in mathematics (chosen from algebra, calculus, functions and relations). It is recommended that students include calculus as one of the mathematics credits.

The School of Business also offers a two-year post-graduate program in business studies leading to the Master of Business Administration degree.

Bachelor of Nursing Science

A four-year integrated program of basic sciences, humanities and nursing. Nursing courses are concerned with the theory and practice of nursing; maintenance of health and prevention of illness; curative and rehabilitative care of people at home, in hospital and in ambulatory clinics, or in physicians' offices. There are four weeks of clinical practice at the end of the first year and eight weeks at the end of the third year of the program.

Requirements for Admission to the School of Nursing

Completion of a full year of academic work at the year 5 level as certified by the school, to include one credit in mathematics and one in chemistry. Year 5 biology and English are strongly recommended. Application deadline is March 1.

Occupational Therapy

A four-year degree program leading to a Bachelor of Science (Occupational Therapy). The student will take courses in anatomy, biology, occupational therapy, physiology, psychology, sociology, plus a number of options, and in the fourth year will study research and clinical developments, administration of an occupational therapy department, and will conduct an in-depth study of a selected clinical subject. There are eight weeks of supervised clinical practice between the second and third years and 16 weeks between the third and fourth years to complete university requirements and for provincial licensing. This precludes summer employment.

Requirements for Admission to Occupational Therapy

Completion of a full year of academic work at the year 5 level as certified by the school, to include one credit in mathematics and one credit in chemistry. Year 5 biology is strongly recommended. Application deadline is March 1. Selection procedures may include an autobiographical letter, interview, and practical performance session.

Physical Therapy

A four-year degree program leading to a Bachelor of Science (Physical Therapy). The student will take courses in anatomy, biology, physical therapy, physiology, psychology, sociology, plus a number of options and, in the fourth year, will study research and clinical development, administration of a physical therapy department and will conduct an in-depth study of a selected clinical subject. There are 12 weeks of supervised clinical practice between the second and third years and 16 weeks between the third and fourth years to complete university requirements and for provincial licensing. This precludes summer employment.

Requirements for Admission to Physical Therapy

Completion of a full year of academic work at the year 5 level as certified by the school, to include one credit in mathematics, and one credit in chemistry. Year 5 biology is strongly recommended. Application deadline is March 1. Suitability for admission will be adjudged on academic qualifications and on the information gained from a Personal Background Information Form. An interview is not mandatory.

Medicine

Four years after completion of at least two successful years of university work beyond year 5.

Requirements for Admission to the Faculty of Medicine

Seventy-five students are admitted to the first medical year annually. The application centre must receive applications by November 15. To be eligible for admission, students must have successfully completed at least two years of university work beyond year 5 and must have included at least:

- a) one year of general physics,
- b) one year of general or inorganic chemistry,
- c) one year of general biology or zoology, and
- d) one year of organic chemistry.

All candidates are requested to write the New Medical College Admissions Test.

Any program is suitable for entry into the first medical year provided it includes the above courses. Students are encouraged to plan their programs according to their own interests.

Bachelor of Laws

Three years after admission to the Faculty of Law on the basis of one of the following requirements: bachelor's or other equivalent degree at a recognized university; or, at least two years of academic work in a recognized university after year 5; or, at least three years of academic work in a recognized university after year 4. The above are minimum requirements. Normally only applicants with averages over 70% and law aptitude test scores in excess of 500 are considered for admission.

All candidates are requested to write the Law School Admission Test.

Bachelor of Education

The Faculty of Education offers both consecutive and concurrent education programs leading to basic teacher certification in Ontario. Programs in secondary, elementary and technical education are offered.

Continuing education for teachers is available and programs leading to a Master of Education degree may be taken on either a part-time or full-time basis.

Requirements for Admission to a One-Year Consecutive Program in the Faculty of Education

Applicants must hold an approved degree in arts, science, commerce or another acceptable degree which has been approved with regard to admission requirements and content.

Requirements for Admission to a Concurrent Degree Program in the Faculty of Arts and Science and the Faculty of Education

Applicants must qualify for admission to either a B.A. or B.Sc. program as outlined above.

Master of Divinity: M.Div.

A three-year graduate program for students preparing for the ordained ministry of the Church. Courses include Hebrew Bible, New Testament, biblical languages, philosophy of religion, systematic theology, church history, ethics, and the practice of ministry.

Bachelor of Divinity: B.Th.

A four-year program for a few selected older (over 31) students, involving one year's work in arts plus the three-year curriculum in theology.

Master of Theological Studies: M.T.S.

A two-year graduate program in academic theology which enables students to study particular areas in some depth.

Master of Theology: Th.M.

A one-year post-M.Div. program for clergy and Church workers who seek further training in pastoral care.

Accommodation

Residence fees, including meals (1977-78)

Men \$1,584-\$1,747

Women \$1,584-\$1,747

Residence fees vary according to the student's program.

Annual Fees

Tuition fees for full-time students are subject to change but currently are as follows for students admitted to first year:

Arts, science, business, nursing, rehabilitation therapy, physical and health education, law \$700

Applied science \$775

Medicine \$825

There is a student interest fee in addition to the tuition fee. Books and supplies will cost approximately \$175.

Further Inquiries

Inquiries about general information and visits to Queen's should be directed to
Liaison Office
Queen's University
Kingston, Ontario K7L 3N6
Telephone (613) 547-5504

Inquiries regarding admission should be directed to

Assistant Registrar (Admissions)
Queen's University
Kingston, Ontario K7L 3N6
Telephone (613) 547-5504

Information about student awards and loans may be obtained from

Assistant Registrar (Student Awards)
Queen's University
Kingston, Ontario K7L 3N6
Telephone (613) 547-5504

Royal Military College of Canada

Kingston

Commandant: Brigadier-General A.J. de Chastelain

The Royal Military College of Canada had its beginning in 1874 in the Act of Parliament establishing "an institution for the purpose of imparting a complete education in all branches of military tactics, fortification, engineering, and a general scientific knowledge of the military profession, and for qualifying officers for command and for staff appointments."

The site selected was the old naval dockyard on the point Frederick immediately east of Kingston. The college was opened in June 1876 with the first class of 18 cadets. The objectives of the Canadian military colleges are:

- 1) to prepare officer cadets for effective service as commissioned officers in the Canadian Armed Forces by:
 - a) providing a university level education in appropriate disciplines designed on a broad base to meet the unique needs of the forces,
 - b) developing qualities of leadership,
 - c) developing the ability to communicate in both official languages and to understand the principles of biculturalism,
 - d) developing a high standard of personal physical fitness,
 - e) stimulating an awareness of the ethic of the military profession; and
- 2) to improve the educational background of commissioned officers in the Canadian Armed Forces by providing undergraduate and post-graduate courses in appropriate fields.

The courses of instruction provide a sound and balanced liberal, scientific and military education. Cadet wing organization and military training seek to develop a high degree of physical fitness in the officer cadets and to imbue them with a sense of responsibility, of self-discipline, of fair play, and of fellowship. An officer cadet in many ways, in the classroom, on parade, at games and in other extra-curricular activities is given an opportunity to command, to learn the art of man management, and to experience the value of good team work. The co-mingling of English-speaking and French-speaking cadets, of cadets from all provinces, of cadets enrolled in all components of the Canadian Armed Forces is designed to break down differences, to create common bonds of comradeship, and inculcate a spirit of tolerance and understanding. Officer cadets are given a basic knowledge of all elements while training in their chosen classifications and obtain a good understanding of the problems of national defence.

Enrolment 1976-77

Full-time 637
Part-time/Extension 21

*Degree Courses

Arts
Engineering
Science

Language of Instruction

Both English and French are languages of instruction and full degree courses are offered in both languages. Students may choose courses in either language. All examinations may be taken in either language at the choice of the candidate.

Admission Requirements for 1978-79

The colleges are open to male applicants only. Ontario applicants completing year 5 may apply for Royal Military College of Canada or Royal Roads Military College. Those completing year 4 of the five-year program may apply to *Collège militaire royal de Saint-Jean*.

Applicants planning to enter the Royal Military College of Canada in the fall of 1978 should note that the final date for applications is February 1, 1978.

General Qualifications

A candidate for admission must have the following qualifications:

- a) he must be a Canadian citizen,
- b) age:
 - 1) he must have reached his 16th birthday on or before 1 January of the year of his enrolment;
 - 2) for entry to RMC, RRCMC, or first year (not preparatory year) at CMR, he must be under 21 years of age on 1 January of the year of his enrolment;
 - 3) for entry to the preparatory year at CMR he must be under 20 years of age on 1 January of the year of his enrolment;
- c) he must meet the minimal medical classification for enrolment as prescribed,
- d) he must obtain a passing standing in a series of pre-enrolment tests as prescribed,
- e) he must be single and undertake to remain single until commissioned,
- f) he must possess the necessary academic qualifications,
- g) he must obtain a passing standard from the pre-academic Basic Officer Training Course.

Academic Qualifications for 1977-78

Royal Military College of Canada Course Requirements

Common first year program: Courses are available for programs leading to degrees in arts, engineering, or science. The first year program is common to all of these programs and has the following courses: chemistry, drill, English, mathematics, military leadership and management, physical education, physics, and second language training (English or French).

In subsequent years: The course requirements at the Royal Military College of Canada have a broad scope including, for all courses in arts: English, mathematics, military leadership and management, physical education, science and second language training (English or French); for all courses in science or engineering: economics, English, history, military leadership and management, physical education, second language training (English or French), and two additional arts elective courses.

Because of these course requirements at the military colleges, an important criterion in selection will be the candidate's mathematics-science average in high school. Further, because of the stated need for engineers in

the Armed Forces, preference will normally be given to those candidates who have satisfactorily completed all of the requirements for admission to a science or engineering course of study.

It should be noted that all arts courses at the Canadian military colleges, both general and honours, are of four years' duration beyond the normal secondary school level required for university admission, except for candidates entering *Collège militaire royal de Saint-Jean* where a five-year course is required. It is possible, however, to transfer after second year engineering into an honours arts course of study without loss of a year.

Academic Qualifications for Admission

To meet the minimum requirements for admission to the Royal Military College of Canada, an applicant must offer standing at a level satisfactory to the college (level 5 in Ontario) in the required papers in the following subjects:

- a) anglais or English, or français or French (one credit course acceptable for Ontario applicants),
- b) mathematics (calculus and functions and relations), and
- c) two or three of algebra, chemistry, physics.

In Other Provinces

Mathematics and one of chemistry, physics, and any other approved subject (or subjects) to make up the full requirements for graduation in the current year of work.

Admission to Royal Roads Military College

Requirements are similar to those for RMC.

Admission to the Preparatory Year at Collège militaire royal de Saint-Jean

Graduates from secondary schools in Ontario should have successfully completed year 3 and year 4 of the five-year course, including the following subjects: English (for English-speaking applicants) or français (for French-speaking applicants), mathematics, physics and chemistry.

Physical Requirements

Candidates are required to meet the common enrolment standards of the Canadian Armed Forces.

The fundamental medical requirement is a sound, healthy body with normal mental and muscular co-ordination. Particular attention is given to the cardiovascular system, the respiratory system, central nervous system, visual acuity, colour vision, eye muscle balance, organs of speech, and sense of hearing. Any condition which, as it exists, or which, due to possible progression, may limit the candidate's career as a member of the Canadian Armed Forces will be cause for rejection.

Candidates should be prepared to participate in a vigorous, progressive physical training program.

Financial Assistance

An officer cadet who is a member of the Regular Officer Training Plan has his fees for the entire course paid by the Department of National Defense and is entitled to pay and allowances prescribed by the plan.

Other applicants are eligible to apply for a number of scholarships and bursaries, including the Ontario Student Assistance Program.

Dominion Cadetships

Fifteen Dominion Cadetships worth \$580 each are available to first year reserve entry cadets at the Canadian military colleges. A candidate must be the son of a person who died or was killed or is severely incapacitated as a result of service in a component of the Armed Forces of Canada.

Applications must be made in writing to National Defence Headquarters
Ottawa, Ontario K1A 0K2
Attention: Director of Recruiting and Selection

Royal Military College of Canada Foundation Scholarships

Three scholarships are open to competition among all reserve entry applicants for admission to the Canadian military colleges. Each scholarship has a value of \$1,000 for the first year and a further \$400 for each subsequent year up to the time of graduation from RMC. An applicant, to be awarded a scholarship, must be an accepted reserve entry candidate for RMC, Royal Roads Military College, or Collège militaire royal de Saint-Jean. Further information may be obtained from Secretary-Treasurer RMC Club of Canada
Royal Military College of Canada
Kingston, Ontario K7L 2W3

Residence Accommodation

All cadets at the Canadian military colleges are in full-time residence at the colleges. At RMC single rooms are normally provided except early in the recruit year when it is usually found beneficial to place two cadets in a room. Collegiate dining is provided with waiters service at the tables. Full recreational facilities, including an indoor swimming pool, are available within close proximity of the residences.

The college is divided into squadrons under the direction of cadet officers in their senior year with an experienced serving officer as squadron commander. Overall direction is in the hands of the Director of Cadets.

This combination of collegiate and military life provides an unparalleled opportunity to study, in practice, the problems of leadership and management that are discussed in the classroom.

Annual Tuition Fees

(Fees quoted as of January 1977 and are subject to revision)

For officer cadets with reserve status:

First year \$550

Each subsequent year \$300

The tuition fees cover: tuition, clothing, books, instruments, drawing materials, dry cleaning.

In addition, there is a fee for meals and accommodation, a recreation club fee of \$50 and an annual deposit of \$100 against additional expenditures, the balance of which is refundable at the end of the year.

Further Information

Inquire with the commanding officer of any Canadian Forces Recruiting Centre, or write to

Registrar

Royal Military College of Canada

Kingston, Ontario K7L 2W3

Telephone (613) 545-7236

Ryerson Polytechnical Institute**Toronto**

President: W. Pitman

In 25 years, Ryerson has evolved from its early trade school beginnings to a degree-granting polytechnical institute with a total day and evening enrolment in excess of 22,000.

Ryerson's dramatic transition is representative of the ever increasing need for technological education at post-secondary levels. This need was significantly recognized by Bill 97 on October 1, 1971. Briefly, this proclamation authorizes Ryerson to grant degrees and has provided the institute with the means of developing an entirely new concept of technological education.

The Ryerson degrees of Bachelor of Technology and Bachelor of Applied Arts combine work experience with the regular program of studies. A number of the programs require at least one year of relevant work experience coincident with the studies leading to a degree. Other degree granting programs provide for an integrated work experience with the program of study. The Ryerson concept of combining theory and practice in learning equips students with the tools necessary for personal and professional accomplishment on graduation.

In short, the availability of the Ryerson degree program frees many students to make a choice between this new pattern of education and that offered in the traditional university.

Enrolment 1976-77

Full-time 8,950

Part-time 1,319

***Programs and Admission Requirements 1977**

Unless otherwise noted, specified prerequisite subject averages for programs requiring the Ontario Secondary School Graduation Diploma are advanced five-year 70% or general four-year 70%.

The following program listing outlines basic admission requirements. Interested students are advised to contact the Office of Admissions for more detailed information.

Aerospace Engineering Technology—Diploma, Post-Diploma, Degree

Diploma: OSSGD including English* (year 4), mathematics (years 3 and 4), physics (year 3) and chemistry (year 4). Preference may be given to applicants with advanced level credits in years 3 and 4 required subjects and who have a minimum average of 60% in English, years 3 and 4. Duration: Three years.
Post-diploma: Details on post-diploma studies leading to a Bachelor of Technology degree may be obtained by contacting the Office of Admissions.

Applied Geography—Degree

OSSHGD including English (year 4) advanced 60%, or year 5 English; mathematics (year 4) advanced 60%, or year 5 mathematics. (Year 5 mathematics of finance or investment are not acceptable.) Preference will be given to candidates with acceptable credits in year 5 English and mathematics. Duration: Four years.

Degree: Bachelor of Applied Arts (Geography).

Architectural Science—Degree

OSSHGD including English (year 5), physics (year 5), mathematics (year 5) functions and relations preferred. Preference given to students who include mathematics and physics in year 5 studies. Duration: Four years.

Degree: Bachelor of Technology (Architectural Science).

Business Administration—Diploma, Post-Diploma, Degree

Diploma: OSSGU including English (year 4) and algebra-based mathematics (years 3 and 4). Minimum of 10 credits year 3 and year 4 (grades 11 and 12). General level, year 3 and/or year 4 business mathematics is not acceptable for the mathematics prerequisite. Students are advised to complete the advanced level program to better prepare themselves for the heavy workload in business administration. Duration: Three years.

Post-diploma: Ryerson Business Administration Diploma with a "B" average (or equivalent). Duration: One year (available full-time day or part-time evening).

Degree: Bachelor of Technology (Business Management). Awarded upon successful completion of diploma and post-diploma programs plus one year of acceptable work experience.

Chemical Technology—Diploma, Post-Diploma, Degree

Diploma: OSSGD including English* (year 4), mathematics (years 3 and 4), physics (year 3), chemistry (year 4). Preference may be given to applicants with advanced level credits in years 3 and 4 required subjects and who have a minimum average of 60% in English, mathematics, physics and chemistry. Effective September 1978, applicants will be required to have the following: OSSGD including English (year 4) advanced 60%; mathematics (years 3 and 4) advanced 60%; physics (year 3) and chemistry (year 4) advanced 60%. Applicants who do not meet these standards will be considered on an individual basis. Duration: Three years.

Post-diploma: Ryerson Diploma in Chemical Technology, Metallurgical Technology (or equivalent). Applicants must be employed in the area of their specialization or have one year of acceptable work experience. Duration: Equivalent to one year (part-time evening study).

Degree: Bachelor of Technology (Chemical Technology). Awarded upon successful completion of diploma program, one year of industrial work experience and post-diploma program.

*Students must have obtained course credit. No specific percentage required.

Civil Engineering Technology—Diploma, Post-Diploma, Degree

Diploma: OSSGD including English* (year 4), mathematics (years 3 and 4), physics (year 3) and chemistry (year 4). Preference may be given to applicants with advanced level credits in years 3 and 4 required subjects and who have a minimum average of 60% in English, years 3 and 4. Duration: Three years. *Post-diploma:* Ryerson Diploma in Civil Engineering Technology (or equivalent). Duration: Equivalent to one year (part-time evening study).

Degree: Bachelor of Technology (Civil Engineering). Awarded upon successful completion of diploma and post-diploma program and one year of acceptable work experience (completed before, during or after the post-diploma program).

Computer Applications Technology—Diploma

OSSGD including English* (year 4); mathematics (year 4) advanced 70%, advanced physics (year 3) and advanced chemistry (year 4), averaged 60%. Applicants who do not have 70% in year 4 advanced mathematics may substitute year 5 mathematics with a mark of 60%.

Preference may be given to applicants who have a minimum average of 60% in English, years 3 and 4. Duration: Three years.

Construction Management—Degree

Designed for graduates of the former three-year Ryerson architectural technology program (or equivalent). Duration: One year.

Degree: Bachelor of Technology (Construction Management).

Arts—Diploma

OSSGD including three year 4 subjects from English, economics, history, geography, any language, mathematics, physics, chemistry and biology, plus one other year 4 subject. Duration: Three years.

Early Childhood Education—Degree

OSSHGD including English (year 5). Minimum 60% preferred. Duration: Four years (integrated).

Degree: Bachelor of Applied Arts (Early Childhood).

Electrical Technology—Diploma, Post-Diploma, Degree

Diploma: OSSGD including English (years 3 and 4) with a 60% average at the advanced level; mathematics (years 3 and 4), physics (year 3) and chemistry (year 4) with a 60% average at the advanced level; a minimum of 10 credits in years 3 and 4 is required. Applicants who do not meet these standards will be considered on an individual basis. Duration: Three years.

Post-diploma: Ryerson Diploma in Electrical Technology plus one year of related business or industrial work experience as a technician. Duration: Equivalent to one year (part-time evening study).

Degree: Bachelor of Technology (Electrical). Awarded upon successful completion of diploma program, one year of related work experience and post-diploma program.

Engineering Physics Technology—Diploma

OSSGD including English (years 3 and 4) with a 60% average at the advanced level; mathematics (years 3 and 4), physics (year 3) and chemistry (year 4) with a 60% average at the advanced level; a minimum of 10 credits in years 3 and 4. Applicants who do not meet these standards will be considered on an individual basis.

Fashion—Diploma

OSSGD including English (year 4). Minimum of 10 credits in years 3 and 4. Effective September 1978 preference will be given to year 5 (grade 13) graduates. Duration: Three years.

Geodetic Sciences—Diploma, Degree

Diploma: OSSGD including English* (year 4), mathematics (years 3 and 4), physics (year 3) and chemistry (year 4). Preference may be given to applicants with advanced level credits in years 3 and 4 required subjects and who have a minimum average of 60% in English, years 3 and 4. Duration: Three years. *Post-diploma:* Ryerson Diploma in Geodetic Sciences (or equivalent). Duration: One year. *Degree:* Bachelor of Technology (Geodetic Sciences). Awarded upon successful completion of diploma program, one year of acceptable work experience and post-diploma program.

Graphic Arts Management—Degree

OSSHGD including a minimum of one credit in each of year 5 chemistry, year 5 English and year 4 mathematics. Duration: Four years.

Degree: Bachelor of Technology (Graphic Arts Management).

Home Economics—Degree

OSSHGD including English (year 5) and chemistry (year 4), advanced. Minimum 60% preferred in both subjects. It is recommended that applicants have the following level 5 subjects: biology, chemistry and mathematics (functions and relations). Applicants who are interested in science as a second teaching subject for the Faculty of Education must have completed year 5 mathematics (functions and relations) with a minimum mark of 60%. Duration: Four years. *Degree:* Bachelor of Applied Arts (Home Economics).

Hotel, Restaurant and Institutional Administration—Diploma, Post-Diploma, Degree

Diploma: OSSGD including English (year 4), algebra-based mathematics (years 3 and 4), one other year 4 subject. Minimum of 10 credits in years 3 and 4. Duration: Three years.

Post-diploma: Diploma in Hotel and Tourism Management, Ryerson Hotel Restaurant and Institutional Administration Diploma (or equivalent) plus one year of cumulative acceptable experience. Duration: One year. *Degree:* Bachelor of Applied Arts (Hotel and Tourism Management). Awarded upon successful completion of diploma program, specified work experience and post-diploma program.

Industrial Engineering Technology—Diploma, Post-Diploma, Degree

Diploma: OSSGD including English* (year 4), mathematics (years 3 and 4), physics (year 3) and chemistry (year 4). Preference may be given to applicants with advanced level credits in years 3 and 4 required subjects and who have a minimum average of 60% in English (years 3 and 4). Duration: Three years. *Post-diploma:* Ryerson Diploma in Industrial Engineering Technology (or equivalent). Duration: One year full-time study (also available on a part-time evening study basis). *Degree:* Bachelor of Technology (Industrial Engineering). Awarded upon successful completion of diploma and post-diploma studies.

Interior Design—Degree

OSSHGD including English, history and mathematics (functions and relations). Minimum 60% in these year 5 studies. Where possible, art is strongly recommended. Students should select contemporary history if available, if not available, geography, economics, sociology or art history may be substituted. Duration: Four years.

Degree: Bachelor of Applied Arts (Interior Design).

Journalism—Degree

OSSHGD including English (year 5) minimum of one credit, and history (year 5). Where possible, English should have written communication content. Duration: Three years. *Note:* The Ryerson Journalism Department offers a two-year program for students who hold bachelor degrees from accredited English language universities. For details contact the Office of Admissions.

Degree: Bachelor of Applied Arts (Journalism).

Laboratory Science—Diploma, Post-Diploma, Degree

Diploma: OSSGD including English (year 4), mathematics (years 3 and 4), physics (year 3) and chemistry (year 4). Preference may be given to applicants with advanced level credits in years 3 and 4 required subjects and who have a minimum average of 60% in English, mathematics, physics and chemistry. Effective September 1978 applicants will be required to have the following: OSSGD including English (year 4) advanced 60%, mathematics (years 3 and 4) advanced 60%, physics (year 3) and chemistry (year 4) advanced 60%. Applicants who do not meet these standards will be considered on an individual basis. Duration: Three years.

Post-diploma: Ryerson Diploma in Laboratory Science (or equivalent). Applicants must be employed in their area of specialization or have one year of acceptable work experience. Duration: Equivalent to one year (part-time evening study).

Degree: Bachelor of Technology (Laboratory Science). Awarded upon successful completion of diploma program, one year of acceptable work experience and post-diploma program.

Landscape Architectural Technology—Diploma

OSSGD including English and mathematics (years 3 and 4) with 60% average at the advanced level, physics (year 3) and chemistry (year 4) with 60% averages at the advanced levels. Minimum of 10 credits in years 3 and 4. Applicants who do not meet these standards will be considered on an individual basis. Preference may be given to applicants with level 5 credits. Effective September 1978, applicants will be required to have the OSSHGD including English (year 5). Preference will be given to students who include mathematics, chemistry, biology and geography. Duration: Three years.

Library Arts—Certificate

OSSGD including English (year 4). Duration: Two years.

Mechanical Engineering Technology—Diploma, Post-Diploma, Degree

Diploma: OSSGD including English* (year 4), mathematics (years 3 and 4), physics (year 3) and chemistry (year 4). Preference may be given to applicants with advanced level credits in years 3 and 4 required subjects and who have a minimum average of 60% in English, years 3 and 4. Duration: Three years.

Post-diploma: Ryerson Diploma in Mechanical Engineering Technology (or equivalent). Duration: One year full-time study (also available on a part-time evening study basis).

Degree: Bachelor of Technology (Mechanical). Awarded upon successful completion of diploma and post-diploma programs.

Metallurgical Technology—Diploma

OSSGD including English (year 4), mathematics (years 3 and 4), physics (year 3) and chemistry (year 4). Students must have obtained course credits. No specific percentages required. Preference may be given to applicants with advanced level credits in years 3 and 4 required subjects and who have a minimum average of 60% in English, years 3 and 4. Effective September 1978 applicants will be required to have the following: OSSGD including English (year 4) advanced 60%; mathematics (years 3 and 4) advanced 60%; physics (year 3) and chemistry (year 4) advanced 60%. Applicants who do not meet these standards will be considered on an individual basis. Duration: Three years.

Nursing—Diploma

OSSGD with advanced 60% standing in English (years 3 and 4), chemistry (year 3 or higher), biology or physics (year 3 or higher). Minimum of 10 credits in years 3 and 4, of which two credits must be in English, one credit in chemistry and one credit in biology or physics. Preference may be given to biology. OSSHGD preferred. It is recommended that the remainder of subjects include mathematics. Effective September 1978, the OSSHGD will be required with the following subjects: English (year 4) advanced or higher, one credit 60%; chemistry (year 3) advanced or higher, one credit 60%; biology or physics (year 3) advanced or higher, one credit 60%.

Preference may be given to students having year 5 standing in English, chemistry and biology. Mathematics (year 3 or higher with 60%) is also preferred. Duration: Two years (six semesters).

Advanced Nursing Programs

Adult intensive care nursing

For adult intensive care nursing, preference will be given to candidates with one or more years of nursing experience. Admission Requirements: Ryerson Nursing Diploma or equivalent. Applicants must be registered or eligible for registration in Ontario.

Photographic Arts—Degrees

OSSGD including English (year 4). Effective September 1978, the OSSHGD will be required for admission, with at least 60% in English (year 5). Duration: Four years.

Degrees: Dependent on options, either Bachelor of Applied Arts (Photography) or Bachelor of Technology (Photography).

Public Health Inspection—Certificate

OSSGD with a 60% average at the advanced level in chemistry and mathematics (year 4) and physics (year 3). Biology (advanced year 3 or 4) may be substituted for either physics or chemistry. Effective September 1978, preference will be given to applicants who have chemistry (year 4 or higher), advanced 60%. Duration: Two years.

Advanced program: Environmental health (certificate). Not offered in 1977-78. Certificate in Public Health Inspection (Canada).

Radio and Television Arts—Degree

OSSHGD including English (year 5) minimum 65% preferred. Duration: Three years.

Degree: Bachelor of Applied Arts (Radio and Television Arts).

Secretarial Science—Diploma, Degree

Diploma: OSSGD with a minimum of 10 credits in years 3 and 4, including two credits in English (years 3 and 4). Applicants holding an OSSHGD will be admitted into second year. Duration: Two years from level 5; three years from level 4.

Degree: Bachelor of Applied Arts (Secretarial Science). Duration: Three years from level 5; four years from level 4.

Social Services—Diploma, Degree

Diploma: OSSHGD including English (year 4) with a 60% average at the advanced level; year 5 preferred. Preference will be given to those students who include communications, and social and environmental studies in their program. Applicants must be a minimum of 18 years of age as of June 1, 1977. Preference will be given to applicants over 20 years of age and who have two or more years of work experience. Duration: Three years.

Degree: Ryerson Social Service Diploma or equivalent, 12 months working experience following completion of the Certificate Program or approved equivalent. Duration: One year.

Degree: Bachelor of Applied Arts (Social Services).

Theatre Department—Diploma

OSSGD. Applicants for the Canadian College of Dance must offer proof of satisfactory ballet training and be a minimum of 16 years of age. All other theatre programs require that candidates be a minimum of 17 years of age. Duration: Acting—four years; Canadian College of Dance—three years; technical production—three years.

Urban Planning—Degree

OSSHGD. Preference given to candidates who have credits in year 5 mathematics, geography and English. Duration: Four years. *Degree:* Bachelor of Applied Arts (Urban Planning).

Extension Department

A number of professional certificates and general education programs are offered through Ryerson's Extension Department.

For information contact:
Director of Extension
Ryerson Polytechnical Institute
50 Gould Street
Toronto, Ontario M5B 1E8

Financial Assistance

Students in financial need may apply for assistance from a variety of sources. Government assistance is available to full-time students in the form of loan and/or grant and to part-time students as bursaries or loans.

For further information concerning government assistance see the introductory section of financial assistance and check with Ryerson's Student Awards Office. The Student Awards Officer will also have details on bursaries and scholarships offered by the institution. At Ryerson, scholarships are awarded on the basis of academic excellence. The awards are generally granted automatically to the recipients for their performance during the previous academic year.

Bursaries are awarded to students who require limited financial assistance. Students must have written one set of exams at Ryerson to be eligible. A minimum of second class standing is normally required and must be maintained.

Residence Accommodation

Bond House

Ryerson maintains a residence, Bond House, near the main campus. This residence accommodates 48 male students.

Neill-Wycik College

Neill-Wycik is a 22-storey co-operative residence which offers extensive facilities. It is owned and operated by its members. Located one block from the main Ryerson Campus, this ambitious project accommodates 800 students in a variety of attractive living arrangements.

Telephone (416) 367-0302

Housing Registry

The Student Services Department operates a year-round housing registry to assist students in finding accommodation throughout the city.

*Students must have obtained course credit. No specific percentage required.

Tuition

Canadian citizens and landed immigrants
Semester programs, per semester \$262
Non-semester programs, per year \$524

Foreign students

Semester programs, per semester \$782
Non-semester programs, per year \$1,564

Further inquiries

For further information write to
Office of Admissions
Ryerson Polytechnical Institute
50 Gould Street
Toronto, Ontario M5B 1E8
Telephone (416) 595-5027

Inquiries regarding scholarships, bursaries, student awards and housing should be addressed to
Student Services Department
Ryerson Polytechnical Institute
50 Gould Street
Toronto, Ontario M5B 3K8

University of Toronto

Toronto

President: John R. Evans

The University of Toronto, established by royal charter in 1827, is the oldest and largest university in Ontario. Recognized internationally for its outstanding academic tradition and achievements, the University of Toronto offers students a unique opportunity for participation in an active community of scholars.

The widest variety of academic programs of any university in the province may be found on the St. George Campus in downtown Toronto, the Erindale Campus (20 miles to the west in Mississauga) and the Scarborough Campus (20 miles to the east in West Hill).

In the Faculty of Arts and Science, the curriculum adopted in 1969 places great emphasis on the students' freedom to create individual programs of study that will satisfy and express their personal interests and abilities. In addition to student facilities provided by the federated universities and colleges, the university has residences for 3,333 students, 710 apartments for married students, a health service and advisory bureau, a career counselling and placement centre, a housing service, athletic and recreation facilities (including a stadium and arena), and exceptionally good facilities for music, theatre, art, debate and reading.

Graduate study is one of the university's greatest strengths. The School of Graduate Studies, with an enrolment of 8,125 in 1976-77, conducts all work leading to graduate degrees in the university. In this and other schools and faculties, the university provides special study and research facilities in such diverse disciplines as nuclear engineering, computer science, Islamic studies, library science, aerospace studies, linguistics, urban and regional planning, and criminology, to mention only a few.

Enrolment 1976-77

Full-time undergraduate 24,840

Faculties and Schools

Faculty of Applied Science and Engineering
Faculty of Arts and Science
Faculty of Dentistry
Faculty of Education
Faculty of Forestry and Landscape Architecture
Faculty of Law
Faculty of Library Science
Faculty of Management Studies
Faculty of Medicine
Faculty of Music
Faculty of Nursing
Faculty of Pharmacy
Faculty of Social Work
Royal Conservatory of Music
School of Architecture
School of Graduate Studies
School of Physical and Health Education

Research Centres and Institutes

Centre of Criminology
Centre for Culture and Technology
Centre for the Study of Drama
Centre for Industrial Relations
Centre for Linguistic Studies
Centre for Medieval Studies
Centre for Russian and East European Studies
Centre for Urban and Community Studies
Centre for Renaissance Studies
Computer Centre
Institute of Environmental Sciences and Engineering
Institute for Aerospace Studies
Institute of Applied Statistics
Institute for Bio-medical Electronics and Engineering
Institute of Child Study
Institute for the History and Philosophy of Science and Technology
Institute of Immunology
International Studies Program
Great Lakes Institute
Pontifical Institute of Medieval Studies
Institute of Medical Science
Institute for the Quantitative Analysis of Social and Economic Policy Systems Building Centre

Federated Institutions

Emmanuel College
Knox College
University of St. Michael's College
University of Trinity College
Victoria College
Wycliffe College

General Admission Requirements for 1978-79

Entrance to the first year of the undergraduate courses is offered, depending upon the number of places available, to candidates from Ontario secondary schools who demonstrate good standing based upon the following evidence:

- completion of secondary school studies, including a full academic program at the year 5 level,
- a recommendation by the secondary school last attended regarding probable success in university studies, and
- a complete academic report for the last three years of secondary school.

Throughout the secondary school years students should study in as many of the following areas as possible: English, French and other languages, mathematics, sciences, and social studies. Students should also consider carefully what aspects of their projected university work will entail prerequisite studies. Each faculty regards certain year 5 subjects as necessary preparation and these are listed under the entry for each division.

A full description of these admission requirements is contained in the Undergraduate Admission Handbook (see note which follows). Applicants to programs in business administration, education, library science, social work and child study must hold a bachelor's degree.

Any change in entrance requirements will be communicated to the high schools in February 1978.

Limited Enrolment

Since accommodation and certain other facilities are restricted, the university cannot guarantee the acceptance of all qualified applicants.

No minimum mark or percentage is prescribed for admission to the university, but because of the pressure of applications and the nature of the university courses, it is likely that a student will require a school average above 60% in order to be considered for selection.

Application for Admission

Candidates currently in Ontario year 5 should apply through their high school using the general application form. Applications received from such candidates by the date announced on the application form will be given early consideration. All other candidates should write to the Office of Admissions, giving details of their previous academic work.

Note: University of Toronto Calendars are sent to all Ontario secondary schools, and Canadian universities. The Undergraduate Admission Handbook is available upon request from:
Office of Admissions
University of Toronto
315 Bloor Street West
Toronto, Ontario M5S 1A3

Degree Programs Offered*Bachelor of Arts, Bachelor of Science, Bachelor of Commerce**

Three or four years from senior matriculation (B.Com. program requires four years). Degrees are offered in arts, science or commerce. In either three or four-year programs, students may specialize or take a variety of subjects.

The arts and science program enables students to determine their own program each year by choosing those courses which interest them and for which they have the required background. Any. A student entering a first year will choose five courses from those offered by these departments: anthropology, astronomy, botany, chemistry, classics, commerce, computer science, East Asian studies, economics, English, fine art, French, geography, geology, German, Greek, Hispanic studies (Portuguese and Spanish), history, Italian, Latin, linguistics, mathematics, Middle East and Islamic studies, music, Near Eastern studies, philosophy, physics, political economy, psychology, religious studies, Sanskrit and Indian studies, Slavic languages and literature, sociology, statistics, zoology.

Candidates should satisfy the general requirements for admission previously outlined and are reminded that certain specific university courses in mathematics, science and languages have year 5 prerequisites.

Bachelor of Applied Science

Four years from senior matriculation, available in chemical, civil, mechanical, industrial, electrical, geological engineering and applied earth science, metallurgy and materials science, engineering science.

Candidates must present relations and functions, calculus, algebra, physics and chemistry. Superior students whose programs do not include one of these subjects

may also be considered. Candidates for the course in engineering science should have excellent standing.

Bachelor of Architecture

Five years from senior matriculation. Candidates must present relations and functions, calculus, and English / anglais. All applicants are asked to complete a questionnaire and to present a portfolio of their work. Applicants within a radius of 500 miles of Toronto may be invited for an interview.

Bachelor of Science in Forestry

Four years from senior matriculation. The first two years are common to all students. Beginning in the third year, students are required to elect one of the following options: (1) the forestry program, (2) the wood science and forest products program. The areas of interest may be: forest resources management; silviculture, ecology and soils; urban forestry and shade tree management; wood science, harvesting and utilization. Candidates must present chemistry, calculus and one additional mathematics course.

Bachelor of Landscape Architecture

Four years from senior matriculation. Candidates must present year 4 mathematics or year 5 mathematics, (relations and functions and calculus) and year 4 or year 5 English. It is recommended that prospective applicants to the program pursue studies in the natural and social sciences.

Bachelor of Music

Four years from senior matriculation. In second year music, students choose their major field of concentration from one of the following: composition, history and literature, music education. Candidates from Ontario secondary schools must present at least five academic credits at the year 5 level, not including year 5 music or RCMT certificates.

Musical Requirements:

- a) Major performing medium. All candidates are required to audition. The minimum standard expected is the RCMT Grade 10 (or equivalent) for piano or organ; or Grade 8 in any standard orchestral or band instrument, classical guitar, free bass accordion, historical instruments or voice. The RCMT syllabi should be consulted for guidance in preparing auditions and for the standard expected.
- b) Theory. (1) RCMT (or equivalent) certificates: Grade 2 rudiments and Grade 3 harmony, or (2) an admission-placement test of general musicianship.
- c) Keyboard proficiency. It is recommended that students wishing to enrol in the Faculty of Music attain a level of keyboard proficiency equivalent to Grade 8 piano of the Royal Conservatory of Music of Toronto. Students possessing the Grade 8 piano certificate will have satisfied the keyboard proficiency requirement. A student lacking that certificate must sit for a test given at his/her first registration in the Faculty. Details of this test are printed in the Faculty Calendar. A satisfactory rating on the test will satisfy the keyboard proficiency requirement. This requirement must be met before the student may register in his/her third year in the Faculty of Music.
- d) Additional requirement: Interview.

Bachelor of Music in Performance

Four years from a four-year high school course.

Academic Requirements:

Students must present at least five academic credits at either the Ontario year 4 level or the Ontario year 5 level, or a combination of Ontario year 4 and year 5 level credits, not including year 4 or year 5 music or RCMT certificates (or equivalent). Music is highly recommended as a subject but will not be counted in the five credits.

Musical Requirements:

- a) Major performing medium. An entrance audition in performance is required of all applicants. Only those showing special talent will be admitted to the course. Candidates may audition on any standard orchestral or band instrument, recorder, piano, organ, harpsichord, classical guitar or voice. Details of the required standard may be obtained from the Assistant Dean (Administration) of the Faculty of Music.
- b) Theory. Same as for Bachelor of Music degree program (see above).
- c) Keyboard proficiency. Same as for Bachelor of Music degree program.
- d) Additional requirement: Interview.

Artist and Licentiate Diploma Programs (Faculty of Music)

Three years. After a common first year a student in the second and third years will continue in either the Licentiate Diploma program or the Artist Diploma program.

Artist Diploma: A practical course to train performers for professional careers.

Licentiate Diploma: A course which combines practical training with instruction in pedagogy to prepare students for careers as private teachers.

Academic Requirements:

Students must present at least five academic credits at either the Ontario year 4 level or the Ontario year 5 level or a combination of Ontario year 4 and year 5 level credits, not including year 4 or year 5 music or RCMT certificates (or equivalent). Music is highly recommended as a subject but will not be counted in the five credits.

Musical Requirements:

- a) Major performing medium. Candidates must pass an audition. Superior performing ability is expected. For the Artist Diploma program, candidates may audition on any standard orchestral or band instrument, piano, harpsichord, classical guitar, or voice. The Licentiate Diploma program is available only in piano.
- b) Theory. Same as for Bachelor of Music degree program (see above).
- c) Keyboard proficiency. Same as for Bachelor of Music degree program.
- d) Additional requirement: Interview.

Bachelor of Science in Nursing

The basic degree course in nursing is four years from senior matriculation. There is also a three-year degree course for graduate nurses with senior matriculation. Candidates must present chemistry.

Bachelor of Science in Pharmacy

Four years from senior matriculation. Candidates must present year 5 courses in relations and functions; calculus, chemistry, and physics. In addition, all applicants must write the Pharmacy College Admission Test (PCAT). Information on the test is available in high school guidance offices and from the Faculty of Pharmacy.

Bachelor of Physical and Health Education

There are no specific year 5 subject requirements necessary for admission. However, students having a background of science subjects may find this to be advantageous in the physical and health education course.

Bachelor of Science in Occupational Therapy, Bachelor of Science in Physical Therapy

Four years from senior matriculation. Students enter second year of either program following a year of arts and science in an approved university including the following recommended subjects: two sciences, one of which should be biology; two social sciences, one of which should be psychology; one elective.

Address inquiries to
Department of Rehabilitation Medicine
University of Toronto
256 McCaul Street
Toronto, Ontario M5T 1W5

Bachelor of Science in Art as Applied to Medicine

Three years. An advanced course which is offered to qualified artists. Candidates must present a complete academic program at the year 5 level, including English. Biology is strongly recommended.

Address inquiries to
Director
Department of Art as Applied to Medicine
University of Toronto
256 McCaul Street
Toronto, Ontario M5T 1W5

Doctor of Dental Surgery

Four years from the one pre-professional year beyond senior matriculation (five years from senior matriculation). Candidates for admission to the first year must have completed successfully a minimum of one academic year in a university degree program at a level beyond Ontario year 5 (grade 13). This preparatory year must include acceptable courses in physics, chemistry and zoology (or biology, if zoology is not offered at the university attended). Applicants must also take the Canadian Dental Association's Dental Aptitude Test.

Inquiries should be addressed to
Secretary
Faculty of Dentistry
University of Toronto
124 Edward Street
Toronto, Ontario M5G 1G6

Bachelor of Laws

Three years from at least two years academic study beyond senior matriculation (at least five years from senior matriculation).

Address inquiries to
Senior Admissions Officer
Faculty of Law
University of Toronto
Toronto, Ontario M5S 1A1

Doctor of Medicine

Four years following completion of:

- a) a minimum of two or three years in a degree program in a Canadian university, after completion of Ontario year 5 or equivalent, and obtaining appropriate credit in the prerequisite subjects,* or
- b) a bachelor's degree from a recognized university, and obtaining credit in the prerequisite subjects.*

*All applicants are required to have satisfactorily completed the following courses:

Biology or zoology (with lab): One full-year course either in grade 13 or level 5, or in an appropriate university level course.
Physics (with lab): One full-year course either in grade 13 or level 5, or in an appropriate university level course.
General chemistry (with lab): A university course of one year's duration. Quantitative or qualitative analysis and physical chemistry are acceptable.
Organic chemistry (with lab): A university course of one year's duration.

All applicants to the medical course must write the Revised Medical College Admission Test (MCAT) by the fall of the year preceding the proposed year of entry into the medical course. Applications for this test should be submitted not later than one month prior to the date of the test. Information and applications for the Revised MCAT may be obtained from the Student Affairs Office, Faculty of Medicine, or by writing to: New MCAT Registration, American College Testing Programme, P.O. Box 414, Iowa City, Iowa 52240, U.S.A.

Preference is given, in the selection process, to Canadian citizens and landed immigrants who are residents of the Province of Ontario.

Address inquiries to
Associate Dean
Student Affairs
Faculty of Medicine
University of Toronto
Toronto, Ontario M5S 1A8
Telephone (416) 978-2717

Theology

Courses are offered by Emmanuel College (United Church), Knox College (Presbyterian), St. Michael's College (Roman Catholic), Trinity and Wycliffe Colleges (Anglican). Inquiries should be directed to the head of the college concerned c/o the University of Toronto, Toronto, Ontario M5S 1A3.

Libraries

The library holdings total more than 4,000,000 volumes, 1,000,000 microforms, 48,000 current serials, and also include such other items as maps, manuscripts, sheet music and recordings. They are housed in the central university library and some 40 other libraries in faculties, colleges, departments, and in the federated universities and related institutions.

Financial Assistance

Students in financial need may apply for assistance from a variety of sources. Government assistance is available to full-time students in the form of loans and/or grants, and to part-time students as bursaries or loans.

For further information concerning government assistance see the introductory section on financial assistance and check with the university's Student Awards Office. The Student Awards Officer will also have details on bursaries and scholarships offered by the university.

The University of Toronto publishes a special booklet on admission awards. This booklet describes scholarships and bursaries available to entering students and is distributed to all high schools.

Undergraduate Residence Accommodation

If, on their application for admission, students indicate an interest in residence accommodation, they will automatically be sent a copy of the Residence Handbook and an application for residence accommodation. Further inquiries about available accommodation should be addressed to one of the following appropriate officials:

Director of Residences
University College

Dean of Men or Dean of Women
Victoria College

Registrar
Trinity College

Dean of Men, St. Michael's College, or
Dean, St. Joseph's College (Women)
90 Wellesley Street West
Toronto, Ontario M5S 1C5

Dean, Loretto College (Women)
70 St. Mary Street
Toronto, Ontario M5S 1J3

Dean of Men or Dean of Women
New College

Residence Co-ordinator
Innis College

Administrative Assistant
(Residences)
Room S3031
Scarborough College
1265 Military Trail
West Hill, Ontario M1C 1A4

Director of Student Affairs
Erindale College
3359 Mississauga Road
Mississauga, Ontario L5L 1C6

Secretary to the Dean (Men's Residence)
Devonshire House

Cost of Residence

The total cost of residence accommodation including meals, varies from \$1,305 to \$1,535 per session.

Other Accommodation

For assistance in finding lodging, students should contact
University Housing Service
49 St. George Street
Toronto, Ontario M5S 1A1

A variety of residence accommodation is offered by the two independent residences listed below. They have no official connection with the university. Inquiries should be made directly to
 Campus Co-operative Residence Inc.
 395 Huron Street
 Toronto, Ontario M5S 2G5

Tartu College
 310 Bloor Street West
 Toronto, Ontario M5S 1W4

Annual Tuition Fees (1976-77)

Arts and science \$115 per course plus incidentals
 Applied science and engineering \$845
 Architecture \$845
 Dentistry \$1,700, including instruments fee
 Forestry \$678 (field work expenses amount to an additional \$200)
 Landscape architecture \$843
 Law \$689
 Medicine \$900
 Music \$674
 Nursing \$615
 Pharmacy \$681
 Physical and health education \$705
 Physical and occupational therapy \$676
 All fees are approximate and subject to change without notice.

Further Inquiries

Inquiries about admission requirements should be addressed to
 Mrs. R. Muia
 Office of Admissions
 University of Toronto
 315 Bloor Street West
 Toronto, Ontario M5S 1A3
 Telephone (416) 978-2190

Inquiries about University of Toronto information programs for secondary schools should be addressed to

Alan Hill
 Assistant Director of Admissions
 (Secondary School Liaison)
 Office of Admissions
 University of Toronto
 315 Bloor Street West
 Toronto, Ontario M5S 1A3
 Telephone (416) 978-2771

Inquiries and requests for application forms for student awards should be addressed to
 Student Awards Office
 Simcoe Hall
 University of Toronto
 Toronto, Ontario M5S 1A1
 Telephone (416) 978-2204 OSAP
 (416) 978-2183 other awards

Erindale College Mississauga Principal: Paul Fox

Erindale College, established in 1967, offers a wide range of courses leading to the degrees of Bachelor of Arts, Bachelor of Science, and Bachelor of Commerce of the Faculty of Arts and Science. The college is situated on a 220-acre wooded site on the banks of the Credit River in the City of Mississauga, 20 miles west of the St. George Campus.

The more than 600 faculty members comprising the teaching staff also hold appointments in corresponding departments on the St. George campus. At present, there are about 3,400 full-time students and 1,000 part-time students. Classes are generally small and there is ample opportunity for individual discussion with the professors. The classes are concentrated in two main areas and thus travelling time from one class to another is minimal.

The college has a writing laboratory to help in improving essays and writing skills; comfortable study lounges; computer facilities; language and science laboratories; athletic facilities which host a variety of activities. Residence accommodation is provided for 300 students in a townhouse complex. Erindale also has complete cafeteria facilities, a comprehensive health service and a wide range of counselling services.

Admission Requirements

Candidates should satisfy the general admission requirements outlined for the University of Toronto.

*Programs Offered

Erindale offers courses leading to three and four-year Bachelor of Arts or Bachelor of Science degrees and a four-year Bachelor of Commerce degree. There is a wide variety of courses offered in most academic disciplines from which the students may choose programs designed to meet their individual needs. The college sponsors unique programs in survey science, environmental studies, a program in art education in co-operation with Sheridan College of Applied Arts and Technology, as well as a number of interdisciplinary courses.

Library

Erindale has excellent library facilities, boasting ample study space, a large collection of books, periodicals, film strips, cassettes, etc., reference assistance as well as access to the library facilities on the downtown campus.

Fees

\$115 per course plus incidental fees.

Further Inquiries

Registrar's Office
 Erindale College
 3359 Mississauga Road North
 Mississauga, Ontario L5L 1C6
 Telephone (416) 828-5399

Scarborough College West Hill Acting Principal: Joan Foley

Scarborough College is situated in eastern Metropolitan Toronto, approximately 20 miles from the St. George Campus. The first students were admitted to Scarborough College in September 1965 and now the college offers programs of study leading to Bachelor of Arts and Bachelor of Science degrees. In 1975-76 there were approximately 3,375 full-time students and 1,200 part-time students registered at the college.

A student at Scarborough College is allowed freedom of course selection subject only to meeting prerequisites and/or co-requisites where they exist. Courses are

offered in the following subjects: anthropology, astronomy, biological sciences, chemistry, commerce, drama, economics, English, fine art, French, general classics, geography, geology, German, history, humanities, Italian, linguistics, mathematics, natural science, philosophy, physics, political science, psychology, Russian, social science, sociology, Spanish. In addition, a co-operative work-study program in public administration has been developed at Scarborough College.

Buildings at the college are connected via underground areas and corridors. This connection of buildings, coupled with the easy contact between faculty, students and administrators, has led to a sense of community in the college that is not always found in university life.

Residence accommodation is provided for 250 students in a townhouse complex.

Admission Requirements

Candidates should satisfy the general admission requirements outlined for the University of Toronto.

*Programs Offered

Scarborough College offers programs leading to 15 and 20-course Bachelor of Arts and Bachelor of Science degrees.

Library

The Scarborough College library, a branch of the University of Toronto library, contains over 165,000 volumes.

Fees

\$115 per course plus incidental fees

Further Inquiries

More information may be obtained from
 Admissions Advisor
 Scarborough College
 1265 Military Trail
 West Hill, Ontario M1C 1A4

Trent University

Peterborough

President: T.E.W. Nind

From its inception, Trent University has stressed the importance of a liberal undergraduate education, which it looks upon as an education for the intelligent use of freedom in society. In line with this belief, students at Trent are encouraged to make their own decisions about courses, fields of concentration, extracurricular activities and the organization of their time. The university seeks to ensure, through a general emphasis on small group teaching, that each student has the opportunity to pursue fields of interest intensively in close association with academic seniors.

Trent is the smallest and one of the youngest universities of Ontario and has no ambition to compete in size, but rather in excellence. Formally created as an independent university with full degree-granting powers by the Ontario Legislature in April 1963, the university has chosen to expand gradually in both its undergraduate and graduate programs.

Now in its fourteenth teaching year, the university has close to 2,400 undergraduates in the full-time program, and about 1,850 in both the part-time winter and summer school programs. In addition, there are about 30 Master's degree candidates in the four fields in which graduate studies are offered.

The colleges of Trent have been an integral part of the university since its beginning in 1964 and each has its distinctive personality and design. The two original colleges, Peter Robinson and Catharine Parr Traill, are in the heart of the city of Peterborough and the three newer colleges are located at the northern edge of Peterborough on the Nassau Campus. The colleges provide residence facilities for 1,100 students. In addition to this role, they serve as the location for teaching offices of the faculty where small groups meet for tutorials and seminars. All members of faculty and all students, resident or non-resident, are members of one of the colleges. Julian Blackburn College, formed in 1975 and serving all part-time students, is also located on the Nassau Campus, as is Trent's newly completed permanent athletic facility, housing a 25 metre pool, four squash courts, exercise and weight-training rooms, and a gymnasium.

Twenty-two hundred students and 187 faculty members participate in more than 400 courses in 20 areas of study. Teaching and learning at Trent involves the exchange of ideas, the examination of accepted values and the consideration of new tentative points of view. Small tutorials are a feature of most programs. With nine or ten students taking part, the tutorials are small enough to facilitate communication, and large enough to provide a healthy range of viewpoint.

Enrolment 1976-77

Full-time 2,400

Part-time 1,000

Special Programs

In addition to established areas of study, Trent has developed several special degree programs. One such program is Canadian studies, which concentrates on 20th century problems peculiar to Canada. Another is native studies, which treats the situation of native peoples in our society, past and present. A third is environmental resources studies, initiated to examine the environmental crisis currently facing us. These reflect interests that the university has had since its beginning over a decade ago.

General Degree Program

Established in 1970, this program is designed for students who do not wish to major in a particular discipline during their years of study at Trent. Interested students should consult the Co-ordinator of the General Degree Program during their first year of study.

Multi-Disciplinary Studies—Teacher Education

The following programs were established in 1970 for students who had completed first year programs of study at Trent: social theory, development studies, Canadian studies, and environmental resources studies. There is also an innovative teacher education program run co-operatively with Queen's University. This four-year program gives students both a B.A. (or B.Sc.) and a B.Ed., certifying them to teach in either primary or secondary schools. Other programs are concerned with the problems of newly developing countries, fine arts, and science as it affects man.

Programs of Study

Trent offers programs leading to the degree of Bachelor of Arts or Bachelor of Science in the general (three years) or honours (four years) program.

*Disciplines Offered

General level:

Ancient history, anthropology, biology, chemistry, classical studies, economics, English, environmental resource studies, French, geography, German, Greek, history, Latin, mathematics, native studies, philosophy, physics, politics, psychology, sociology, Spanish.

Honours level:

Anthropology, biology, Canadian studies, chemistry, classical studies, economics, English, French, geography, German, Greek, history, Latin, mathematics, philosophy, physics, politics, psychology, sociology, Spanish.

Year 5 Admission Requirements

In order to be eligible for admission to Trent University, an applicant is required to achieve standing at a level acceptable to the university in a full year 5 program of studies.

Because of the diversity of programs offered in secondary schools in Ontario, a full program is defined as that which is deemed by the school principal to be satisfactory for the purpose of granting an Ontario Secondary School Honour Graduation Diploma.

With the exception of some language programs, there are no specified subject requirements for admission to arts programs. Applicants to science programs are advised to consult the year 5 requirements of individual disciplines as shown in the courses of study section of the Trent University calendar.

Library

Rising from the west bank of the Otonabee, the Bata Library is the hub of the university. With 260,000 books, plus magazines and journals, maps, aerial photographs and government documents, Trent's library is a major resource for the university and the community at large. The library provides quiet study areas for 800 students, as well as music listening rooms and language laboratories.

Financial Assistance

The university has a generous program of scholarships and assistance to students entering first or higher years with first class standing. Students of exceptionally high achievement and promise may be awarded a Champlain Scholarship which has an annual value equal to the cost of tuition and residence. Gulf Oil Residencies, valued up to \$500, are available to students living in one of the five residential colleges. Financial need and academic achievement in year 5 are the criteria for the award. The university calendar, available upon request, provides further details of Trent University's complete program of scholarships, awards and bursaries.

Students in financial need may apply for assistance from a variety of sources. Government assistance, available to full-time and part-time students, is explained in the introductory section on financial assistance. Students should also check with the university's Student Awards Office.

Residential Accommodation

The residential college system is at the heart of Trent University. Every student and every member of the academic staff is a member of a college in which they have an opportunity to live and work together in a relatively small academic community within the larger body of the university. Much formal academic work is done in the college, and various social and athletic organizations also exist within them. In the college communities, undergraduates find both formal academic guidance and the fellowship of other students and members of the academic staff.

Enrolment in each college includes representation from all disciplines and all years of study, and includes both resident members and members who live in apartments and lodgings in the city as well as students who live at home in the Peterborough area. Non-resident members of the colleges enjoy full use of the college facilities and take an active part in college life.

Annual Fees

Tuition \$785
Residence fees, including meals:
Single \$1,735
Double \$1,625
Townhouse (excludes meals) \$1,035
College affiliation fee for non-residents \$85

Further Inquiries

Inquiries are welcome and should be directed to
Director of Admissions
Trent University
Peterborough, Ontario K9J 7B8

Inquiries about student awards should be directed to
Student Awards Officer
Trent University
Peterborough, Ontario K9J 7B8

Inquiries about university information programs should be directed to
Secondary School Liaison Officer
Trent University
Peterborough, Ontario K9J 7B8

Telephone (705) 748-1215

University of Waterloo

Waterloo

President: B.C. Matthews

The University of Waterloo is a multi-faculty institution offering programs in arts, engineering, environmental studies, integrated studies, mathematics, human kinetics and leisure studies, and science. Its enrolment has grown from 141 undergraduate students in 1957 to more than 16,500 undergraduate and 2,100 graduate students.

The university's 40 main buildings are located on an attractive 1,000-acre campus and include an art gallery, two theatres, a 4,000-seat gymnasium, a six-lane swimming pool, and the use of a stadium with a lighted football field. The university has one of the largest computer centres in North America.

The four church-related colleges associated with the university offer on-campus residence accommodation and administer courses in several disciplines. On-campus residence is also offered to single students in the non-denominational student villages and the Minota Hagey Residence for Graduate Students and to married students in the married student apartments. As well, off-campus housing for both single and married students is available through the University Co-operative Residence or through the Housing Office.

Enrolment 1976-77

Undergraduate 16,511

Academic Divisions

Faculty of Arts
Faculty of Engineering
Faculty of Environmental Studies
Faculty of Human Kinetics and Leisure Studies
Faculty of Mathematics
Faculty of Science
School of Architecture
School of Optometry
School of Urban and Regional Planning
Integrated Studies Program

Admission Requirements for 1978

For all programs, the university normally requires completion of a year 5 program comprising at least six year 5 credits leading toward the Ontario Secondary School Honour Graduation Diploma, with a minimum 60% overall average. The university expects to fill the majority of places available to year 5 applicants using the following criteria:

- a) year 5 interim standing,
- b) year 4 final standing, and
- c) principal's recommendation.

Applicants whose interim standing is not sufficient for admission will be considered on the basis of the year 5 final standing and qualified applicants will be admitted until the remaining places are filled.

Recommendations for Admission

Where the university has recommended certain courses to be included in the applicant's year 5 program, it means that it would be beneficial to the applicant in the first year of study at the university to have these courses as background. These are recommendations only and it does not mean that the applicant's admission will be jeopardized if the recommended courses are not taken.

Where specific requirements are stated, it is expected that applicants will include these requirements in their year 5 program.

Applicants who have spent more than the normal length of time in secondary school to complete their university preparation may be required to present a higher average for admission.

Since many of the programs offered at the university have limited enrolment, the possession of the minimum requirements does not in itself guarantee admission to any of the programs.

Regular and Co-operative Systems of Study

In addition to the traditional two-term, September to April school year which the university calls the regular system of study, some academic programs are offered under a co-operative system of study where the student spends alternating four-month terms on campus for academic study and with business, industry, or government for practical on-the-job training in the field of study. The co-operative program involves about half of the undergraduate population. The necessary arrangements for the work terms are handled by the Department of Co-ordination.

Degree Programs and Subject Requirements

Bachelor of Arts

The Faculty of Arts operates under the course system whereby student progress is measured by courses successfully completed.

General program:

Students must successfully complete 15 courses as specified by the department. The following general programs are available: anthropology, classical civilization, drama and theatre arts, economics, English, fine arts (art), fine arts (music), French, geography*, German, Greek, history, Latin, medieval studies, philosophy, political science, psychology, religious studies, Russian, social development studies (Renison College), sociology, Spanish. There are no double majors or minors in the general program.

Non-major general arts program:

An arts student may graduate with a general arts degree (non-major) upon completion of 15 courses. Any normal first year arts program will satisfy the needs of a student contemplating a general arts (non-major) program. Such programs must be arranged through the Arts Faculty Undergraduate Office.

Honours programs:

Four years in length. Students must successfully complete 20-22 courses as specified by the department. Honours programs are available in the following areas: anthropology, Canadian studies, classical studies, drama and theatre arts, economics, English, fine arts (art), French, geography*, German, history, Latin, medieval studies, philosophy, political science, psychology, religious studies, Russian, sociology, Spanish. Students wishing to study a joint honours program should consult with an appropriate faculty member in the respective departments.

In general and honours programs the first year of study is a common one and students in their second year elect the program they wish to study.

Co-op programs:

Co-op programs, beginning at the end of the general first year, are now available in economics and English.

Year 5 Preparation for the Bachelor of Arts Program

A minimum of 60% in six year 5 credits is required for admission. Applicants should include year 5 courses such as English, history, languages (other than English) in their year 5 program. Level 5 English courses, particularly those that stress writing skills, are recommended.

Bachelor of Applied Science

The Bachelor of Applied Science degree is offered through the Faculty of Engineering. Five honours programs in engineering are available: chemical, civil, electrical, mechanical and systems design. All programs are offered in the co-operative system of study. The Bachelor of Applied Science program is four and two-thirds years in length. In the first year there are three programs, each designed to prepare the first year student for specialized work in advanced years, but allowing maximum flexibility should a student wish to pursue a different course of study than originally contemplated.

General engineering: The first year program is a general introduction from which a student normally proceeds to a second year in civil, electrical or mechanical engineering.

Chemical engineering: First year courses are especially directed toward chemical engineering. Mathematics, physics and chemistry form the foundation of the first year program. **Systems design:** Systems design engineering is the study of complex systems for the purpose of analysis, simulation, optimization, and ultimately, design. The program is intended especially for advanced work in systems design; however, a student may proceed to civil, electrical, or mechanical engineering.

Year 5 Credit Preparation for Bachelor of Applied Science Program

In addition to the overall university requirements, students must present a 60% minimum average in relations and functions, calculus, algebra, physics and chemistry. There are more applicants than places available and this competition results in an average significantly greater than 60% required for admission.

Applicants lacking either algebra or chemistry but who have a high overall year 5 standing will be considered for admission. They are encouraged to contact the admissions officer no later than January (for September admission). Applicants will be evaluated and advised on possible courses of action required to meet our specific requirements.

Bachelor of Environmental Studies

The Faculty of Environmental Studies is comprised of two professional schools (School of Architecture and School of Urban and Regional Planning) and two academic departments (man-environment studies and geography).

Students may be granted a Bachelor of Environmental Studies degree in the following programs: honours geography—four years, five years co-operative system; major in geography—three years; honours in man-environment studies—four years; honours in urban and regional planning—four years; architecture (pre-professional program)—three years co-operative system.

The professional Bachelor of Architecture degree is granted after two additional years of study following the completion of the Bachelor of Environmental Studies/Architecture pre-professional program. The professional Bachelor of Architecture program is on the rotating work/study co-operative system.

Year 5 Preparation for the Bachelor of Environmental Studies Programs

It is recommended that students present at least one year 5 mathematics course for admission to programs in environmental studies. It is recommended that applicants to the geography program include geography in their year 5 program.

For specialization in architecture, students must have successfully completed the prerequisites for the Ontario Secondary School Honour Graduation Diploma. The specific year 5 requirement is a 60% overall average in relations and functions, calculus, physics and English.

Selected applicants to the architecture and urban and regional planning programs may be required to attend an interview at the university.

Bachelor of Independent Studies

Integrated studies is an unstructured program where curriculum is developed by both the students and faculty members. Students are not required to enrol in regular classes or write regular examinations. They set their own goals and proceed toward them through independent research, course work, seminars and tutorials, special projects and field work, or any combination of these. Resource people assigned within the integrated studies unit are available to provide direction and advice to students. At least two terms prior to expected graduation, students apply to the

Academic Board for Integrated Studies to have their degree candidacy accepted. The Bachelor of Independent Studies degree is granted to students who complete the program requirements.

Each applicant to integrated studies is considered on the basis of a personal interview with a committee composed of students, resource persons and staff. Those who show the strongest aptitude for independent study and the maturity necessary to be self-directing and to flourish in an unstructured academic environment will be given strongest consideration.

Bachelor of Mathematics

The Faculty of Mathematics offers pass, general and honours programs under the regular eight-month system of study as well as honours and general programs under the co-operative system of study. The Faculty of Mathematics operates under the course credit system whereby a student's progress toward a degree is measured in terms of courses passed.

Pass degree program:

Three years in length. Requires 16 credits with a minimum of six mathematics credits.

General program:

Four years in length. Requires 21 credits with a minimum of 12 mathematics credits. Beginning in their third year honours students must register in one of the following five programs: actuarial science, applied mathematics, combinatorics and optimization, computer science, pure mathematics, or statistics (including a program in actuarial science). Each of these departments offers a variety of programs.

Honours program:

Four years in length. Requires 24 credits with a minimum of 15 mathematics credits. Students select one of the following programs: actuarial science, applied mathematics, combinatorics and optimization, computer science, pure mathematics, statistics (including a program in actuarial science). A number of joint honours programs are also available, for example, mathematics and economics.

All mathematics students take algebra, calculus and computer science at either the honours or general level, plus three electives in their first year.

Co-operative program (honours or general):

Four and two-thirds years in length. The following programs are available: actuarial science, combinatorics and optimization, computer science, statistics. In addition to these there are five options open to co-operative students:

- teaching
- chartered accountancy
- Registered Industrial Accountancy
- business administration
- applied mathematics—engineering
- honours statistics—economics.

The teaching option commences at the beginning of a student's second year, after completion of the first year of the regular program in mathematics and acceptance as a suitable teaching candidate. Work terms are spent in the secondary schools where students gain a feeling for the mathematics teaching profession. Students who qualify attend the Faculty of Education at Western for

*Students may also pursue a geography program through the Faculty of Environmental Studies. Students should consult with their departmental advisor regarding the program requirements that will qualify them for consideration for admission to the corresponding Type A course at an Ontario College or Faculty of Education.

a short period between their third and fourth years of university. Upon successful completion of the Faculty of Education requirements and the four-year degree requirements, they will be awarded simultaneously an interim Type A teaching certificate, a Bachelor of Mathematics degree and a Bachelor of Education degree.

Students in the chartered accountancy option may choose their non-mathematics elective courses in such a manner that they will be able to write their final chartered accounting examination (through the Institute of Chartered Accountants) within a few months of graduation. Such students spend their work terms with chartered accounting firms and, upon graduation are able to enter the chartered accountancy profession or any of the other numerous professions available to mathematics graduates.

Students who wish to combine business administration courses with their mathematics program should choose their courses according to the schedule set out in the academic calendar. The business administration courses are given by the Department of Economics at the University of Waterloo and the School of Business and Economics at Wilfrid Laurier University.

Year 5 Preparation for the Bachelor of Mathematics Program

In addition to the overall university requirements, students applying for admission to the regular program must submit at least a 60% overall average in the specific requirements: relations and functions, calculus, and algebra. Applicants lacking algebra but who have a high overall year 5 standing will be considered for admission.

For admission to the co-operative program, applicants must submit at least a 66% overall average in the specific requirements: relations and functions, calculus, and algebra.

Bachelor of Science (Dance) Bachelor of Science (Kinesiology) Bachelor of Arts (Recreation)

The Faculty of Human Kinetics and Leisure Studies offers three different honours programs. Both the kinesiology and recreation programs may be studied under either the regular or the co-operative system. The dance program is available only under the regular system.

The regular honours program is four years in length and the honours co-operative program is four and two-thirds years in length.

The dance program offers students the unique opportunity of studying dance from the perspective of the humanities, the social sciences, and the biological sciences, as well as that of the performing arts. This allows the student a wider range of career choices than do traditional programs.

The kinesiology program involves the study of the biological, physical, psychological and social factors which influence and which are influenced by human movement. Laboratory, lecture and tutorial experiences provide the student with relevant exposure to real problems. The program includes all of the necessary academic requirements, providing the student maintains a "B" average, for entrance into a college or faculty of education to qualify for the Type A High School

Assistant's Certificate. The Kinesiology Department offers an honours program in health studies.

The recreation program prepares the student for leadership in recreational activities through emphasis on the principles of administration, as well as an understanding of man's use of leisure. The recreation program features four elective areas of concentration: leisure studies, outdoor recreation and education, recreation administration, and therapeutic recreation. Graduates of the recreation program are eligible to receive the Ontario Interim Municipal Recreation Director's Type A Certificate.

Year 5 Preparation for the Bachelor of Science (Honours Kinesiology, Honours Dance) and the Bachelor of Arts (Honours Recreation) Programs

Applicants electing the kinesiology program and/or health studies are advised to select a year 5 program with one or more of the following courses: biology, calculus, chemistry, physics. Applicants to the dance and recreation programs are encouraged to present diversified year 5 programs.

Bachelor of Science

The Faculty of Science operates under the course credit system where student progress is measured in terms of courses completed.

The three-year general science program requires a total of 15 course-credits. It is not necessary that a student designate a major subject. A student wishing to choose an area of specialization must enter the four-year general science program (requiring a total of 20 course-credits) and could then choose to major in biology, chemistry, earth sciences, physics or a general science and business program.

In the honours programs in science a minimum of 22 course-credits is required with specialization in biology; biology and chemistry; chemistry (environmental studies option, mathematics option, physics option); earth sciences; earth sciences (geography option); physics; theoretical physics. A non-major honours science program is also available.

Co-operative honours programs:

Four programs are offered under the co-operative system of study: applied chemistry and applied physics, which begin in first year and applied earth sciences and applied earth science (geo-technical option) which begin in the second year following a regular first year science program. These programs provide the student with sound academic training in conjunction with practical experience such as that gained in industry and governmental agencies.

School of Optometry program:

This is the only English-language optometry program in Canada and students enter it after completing first year of the regular science program. They then take four years of professional studies. Because of limited enrolment, applications to the first professional year are considered on an individual basis. Graduating students receive a Doctor of Optometry degree (O.D.). The program is accredited by the Council of Education of the American Optometric Association.

Year 5 Preparation for the Bachelor of Science and Optometry Degree Programs

In addition to the general university requirements, students must present a 60% overall average in the following specific subjects: calculus and/or relations and functions or algebra, and two science courses, one of which must be physics or chemistry. Applicants are advised to include both chemistry and physics in their year 5 program.

Applicants to the co-operative applied physics program must present a 70% overall average in mathematics and physics.

Applicants to the co-operative applied chemistry program must present a 70% average in chemistry and mathematics.

University of St. Jerome's College

St. Jerome's College is federated with the University of Waterloo and registers undergraduate students in arts, certain programs in environmental studies, and regular mathematics. St. Jerome's offers a unique perspective in its wide range of courses and its students enjoy all the privileges of the university while participating in a smaller college atmosphere. Thirty-five full-time professors teach a complete range of arts courses. St. Jerome's is known for its academic excellence as well as for its residential spirit. Students earn University of Waterloo degrees because the college holds its degree granting rights in abeyance according to the terms of the federation agreement.

Renison College

Renison College offers both men and women the intimacy of life in a small residential community combined with the resources of the larger university.

Courses are available in two areas:

- The social development studies program, featuring interdisciplinary work in psychology, social work and sociology. Community involvement is an integral aspect of this program.
- General arts, including courses in English, French, geography, psychology, religious studies, and sociology.

Conrad Grebel College

Conrad Grebel is a Mennonite residential and teaching college which became affiliated with the university in 1961. Courses open to all university students are offered in arts, history, music, religious studies, sociology and peace studies.

St. Paul's College

St. Paul's United College is a small teaching and residential community. It offers a limited number of credit courses in religious studies. Residence life provides a valuable contribution to university experience. Through a program of athletics, community dinners, congregation and interest groups, members of the college and associates participate in a vital and enriching community.

Libraries

Arts library—630,000 volumes and periodicals. Engineering, mathematics and science library—223,000 volumes and journals. Environmental studies library—48,000 maps, 4,400 books and reports.

Tuition and Incidental Fees for Full-time Students

Arts (per eight-month session) \$782.50
 Engineering (per co-operative four-month term) \$472.75
 Environmental studies (per eight-month session) \$782.00
 (per co-operative four-month session) \$451.00
 (per co-operative four-month term—architecture) \$468.50
 Human kinetics and leisure studies (per eight-month session) \$783.50
 (per co-operative four-month term) \$451.75
 Mathematics (per eight-month session) \$782.50
 (per co-operative four-month term) \$451.25
 Science (per eight-month session—optometry included) \$781.50
 (per co-operative four-month term) \$450.75
 Integrated studies (per eight-month session) \$775.50

Residence Fees (single, double)

Student Village I and II \$1,768, \$1,648
 Conrad Grebel College \$1,600
 Renison College \$1,768, \$1,648
 St. Jerome's College \$1,720, \$1,620
 Notre Dame College \$1,600, \$1,500 (no meals Saturdays)
 St. Paul's College (semi-private) \$1,688
 The above fees are for an eight-month academic session. Co-operative students are assessed per term at 50% of the above rates. All rates include meals.

Further Inquiries

Inquiries concerning admission requirements should be directed to
 Mr. B.A. Lumsden
 Associate Registrar (Admissions and Records)
 University of Waterloo
 Waterloo, Ontario N2L 3G1

Information concerning student awards may be obtained from
 Mr. D.L. Kasta
 Student Awards Officer
 University of Waterloo
 Waterloo, Ontario N2L 3G1

Secondary School Liaison Officer

Mr. S.J. Little
 University of Waterloo
 Waterloo, Ontario N2L 3G1

Telephone (519) 885-1211

The University of Western Ontario

London

President: G. E. Connell

The University of Western Ontario, one of Canada's oldest universities, will celebrate its 100th anniversary in 1978. Located on 400 acres just one mile from the centre of London (population 240,000), Western has integrated its gothic style architecture with modern structures.

Ontario's second largest university in enrolment, Western has a wide range of undergraduate courses and programs from which to choose. The School of Business and the professional faculties have all been ranked among the best in the country by outside appraisers.

Western is also a top research institution where students have the opportunity to work with professors doing research on cancer, radio science, chemical physics, archaeology, the psychology of family crisis, privacy and computers, solar energy, and the geography of the future—to touch on just a few of the 2,000 funded research projects now underway at UWO.

While Western's primary goal is the maintenance of academic excellence and the intellectual growth of both faculty and students, social and athletic development are also key components of the educational process. The recreation and athletic building, with an indoor track, ice rink and tennis court, gives everyone a chance to keep fit and have fun.

The university is a community within a community, with plenty of opportunities for students to meet at the community centre, the well-known concert hall, and the art gallery.

Enrolment 1976-77

Full-time 18,087
 Part-time 4,384

Faculties and Schools

Faculty of Arts
 Faculty of Dentistry
 Faculty of Education
 Faculty of Engineering Science
 Faculty of Graduate Studies
 Faculty of Law
 Faculty of Medicine
 Faculty of Music
 Faculty of Nursing
 Faculty of Physical Education
 Faculty of Science
 Faculty of Social Science
 School of Business Administration
 School of Journalism
 School of Library and Information Science

Colleges affiliated with Western are:
 Brescia (Roman Catholic), Huron (Anglican), and King's (Roman Catholic).

General Requirements for Admission

Effective September 1977, applicants from Ontario year 5 seeking admission to The University of Western Ontario will be required to submit, in the form of numerical grades, a minimum of six year 5 credits in accordance with the prescriptions detailed below, and a minimum final average of 60%. An acceptable year 5 program will include:

- one credit in English or anglais;
- one credit in one of French or français, a foreign language, or mathematics;
- one credit each in two of the following subject areas: biology, chemistry, English or anglais, foreign languages, French or français, geography, history, mathematics, music, physics;
- at least two other credits, for a total of six, from the subject areas specified above, or from those approved by the Ministry of Education in accordance with Circular H.S.1;
- credits in at least four different subject areas, e.g. mathematics, Latin, chemistry, English.

The possession of these minimum requirements does not guarantee admission to all first year university programs. Students applying for admission who do not meet all the subject requirements, will be offered admission provided their average on six year 5 level courses is at least 2% higher than the minimum admission average established for entry into first year.

Degree Programs and Subject Requirements**Bachelor of Arts****General program:**

Three years from senior matriculation in arts, music, physical education, science, secretarial and administrative studies, social science, visual arts.

Honours program:

Four years from senior matriculation in anthropology, art history and criticism, business administration, classics, economics, English, French, geography, German, history, Italian, mathematics, modern languages, music, philosophy, physical education, political science, psychology, Russian, sociology, Spanish, visual arts, or combinations of certain of these.

Year 5 Requirements for Admission to the First Year of the Faculty of Arts

Appropriate standing in six year 5 credits, including year 5 English and one year 5 mathematics, or French (français), or a foreign language.

Year 5 Requirements for Admission to the First Year of the Faculty of Physical Education

Appropriate standing in six year 5 credits including year 5 English and one of year 5 mathematics, or French (français), or a foreign language. Year 5 biology is strongly recommended.

Year 5 Requirements for Admission to the First Year of the Faculty of Social Science

Appropriate standing in six year 5 credits, including year 5 English and one of year 5 mathematics, or French (français), or a foreign language. A second language would be

valuable. Students interested in economics, geography, psychology and sociology are strongly urged to complete at least two credits in mathematics including one credit in calculus, and to explore computer science where this subject is available.

Bachelor of Fine Arts

Honours program:

Four years from senior matriculation in studio arts.

Year 5 Requirements

Same as for Faculty of Arts, plus Departmental interview and a portfolio review.

School of Business Administration

Students seeking admission to the program in honours business administration may apply after the successful completion of the first two years in any faculty. However, students must have included three required courses: full introductory college mathematics or computer science; introductory economics; and Business 257, a second year accounting course.

Year 5 Requirements for Program in Secretarial and Administrative Studies

The program in secretarial and administrative studies requires appropriate standing in six year 5 credits, including year 5 English and one of year 5 mathematics, French or français or a foreign language.

In addition, evidence of typing ability at 20-30 wpm is required.

Doctor of Dental Surgery

Students in the following categories are eligible to apply for admission to the first year of the four-year program in the Faculty of Dentistry: those who are in or who have successfully completed a second year program at Western, or an equivalent second year at another university, provided that the program has included a minimum of four honours courses or equivalent within the first 10 courses completed. All applicants must have successfully completed one full laboratory course in each of biology, chemistry, physics and organic chemistry. Priority consideration shall be given, all other things being equal, firstly to Canadian citizens who are resident in Ontario; secondly to Canadian citizens resident elsewhere and to all landed immigrants irrespective of the province in which they reside; and thirdly, to all others. (One position may be available for students supported by the Canadian International Development Agency or a similar agency.)

Bachelor of Engineering Science

Four years beyond senior matriculation. Specialization is possible in the last five terms in chemical and biochemical, civil, electrical, materials, mechanical engineering.

Year 5 Requirements for Admission to the Bachelor of Engineering Science Program

Six year 5 credits including calculus and one other credit in mathematics, together with standing in at least one other science subject (algebra, physics and chemistry are strongly recommended), and year 5 English (anglais) are required.

Bachelor of Laws

Three years following the successful completion of at least two full years beyond Ontario year 5 in a recognized university.

Faculty of Medicine

Requirements for Admission to the Doctor of Medicine Program

Admission to the first year of the four-year program in the Faculty of Medicine is based on successful completion of a second year program at an Ontario university, provided that the program has included a minimum of four honours courses or equivalent within the first 10 courses attempted. All applicants must have successfully completed one full laboratory course in each of biology, chemistry, physics and organic chemistry and are advised that it is to their advantage to have successfully completed one course in behavioural science. (The Admissions Committee will consider applications from candidates who were Ontario Scholars and who achieve exceptional standing in first year programs in the Faculty of Science at The University of Western Ontario.)

Priority is given, all other things being equal, to Canadian citizens or landed immigrants who are residents of southwestern Ontario and those areas of Ontario not serviced by an Ontario medical school. Applications will not be accepted from applicants who are not Canadian citizens or landed immigrants. (Two positions may be available for students supported by the Canadian International Development Agency.)

Programs in Communicative Disorders, Occupational Therapy and Physical Therapy

Each program is of four years duration, the first year of communicative disorders and physical therapy being a preparatory year in the Faculty of Science or Faculty of Social Sciences.

Occupational therapy accepts applicants from year 5. Enrolment in each program is severely limited. The degree granted is the Bachelor of Science, B.Sc., with the designation O.T., C.D., or P.T.

Faculty of Music

Year 5 Requirements for Admission to the Bachelor of Music or to the Bachelor of Arts (Music) program

The Faculty of Music offers the Honours Bachelor of Arts with music options (four years) and the Bachelor of Music (four years), the three-year Bachelor of Arts (Music) and the three-year Bachelor of Musical Arts. For each program the first year is common and the admission requirements are:

- six year 5 credits including English or anglais and one of mathematics, French or français, or a foreign language,
- an audition, and
- a general musicianship test.

Note: Students must arrange an audition by contacting the Faculty of Music early in 1978.

Bachelor of Science (Home Economics)

Three years from senior matriculation. Specialization is offered in food and nutrition, or textiles, clothing and design.

Year 5 Requirements for Admission to Bachelor of Science (Home Economics)

Appropriate standing in six year 5 credits including chemistry and biology, English or anglais, and one of year 5 mathematics, French or français, or a foreign language. Year 5 mathematics is strongly recommended.

Bachelor of Science in Nursing

Four years from senior matriculation. Specialization is offered in nursing and service administration, nursing education or public nursing.

Year 5 Requirements for Admission to Bachelor of Science in Nursing

Appropriate standing in six year 5 credits including chemistry and biology, English or anglais and one of year 5 mathematics or French or français or a foreign language. Year 4 mathematics is required.

Bachelor of Science

Honours program:

Four years from senior matriculation. Available in anatomy, applied mathematics, astronomy, bacteriology and immunology, biochemistry, biophysics, chemistry, computer science, genetics, geology, geophysics, mathematics, physics, physiology, physiology and pharmacology, plant sciences and zoology.

General program:

Three years from senior matriculation with majors available in applied mathematics, biology, biology and chemistry, chemistry, chemistry and geology, computer science, geology, geophysics, mathematics, mathematics and computer science, physics.

Year 5 Requirements for First Year of Natural Sciences Program

Year 5 English or anglais and one of year 5 mathematics, French or français, or a foreign language. Every B.Sc. program in the Faculty of Science must include a first year course in mathematics for which the prerequisites are two credits in year 5 mathematics, including one in calculus. In most instances this course must be completed prior to progression to second year.

Bachelor of Social Work

Four years from senior matriculation. Admission is open to any student with qualifications for admission to a degree program at Western. Students must be registered at King's College for the final three years of the program and are advised to complete their first year studies at King's College. Enrolment in the program is limited.

Limited Enrolment

The following programs have limited enrolment: business administration, communicative disorders, dentistry, engineering science, home economics, law, medicine, music, nursing, occupational therapy, physical and health education, physical therapy, secretarial and administrative studies, social work, visual arts.

Brescia College

Brescia College is a residential women's college under Catholic auspices affiliated with The University of Western Ontario. It has given over half a century of service to the communities of London, of Canada, and of

the world. Students, faculty and board members are representative of all faiths and creeds.

Brescia has a beautiful campus with space for quiet reflection and a comfortable residence. Brescia students share in all university activities: academic, social, athletic and cultural. Certain courses are taken at the university or at the other affiliated colleges.

Some classes in the college are co-educational. Predominantly a women's college, it offers to its students unique opportunities in leadership and self-government.

Brescia College strives for better education through personal contacts, professional excellence, academic counselling, small classes and seminars.

For further information please contact
Mrs. M. E. Arnold
Registrar
Brescia College
1285 Western Road
London, Ontario N6G 1H2
Telephone (519) 432-8353

Huron College

Established in 1863, Huron College is the founding college of The University of Western Ontario. It is an undergraduate, co-educational, residential, liberal arts college affiliated with The University of Western Ontario, and situated immediately adjacent to the main university campus.

With slightly more than 500 students, half of whom live in residence, the college's relatively small size fosters a sense of community, ensures that classes are generally small and makes possible close working relationships between students and faculty. The college's academic affiliation with Western means that its students obtain a University of Western Ontario degree and that all the academic and social resources of the university are fully open to them. Thus they not only take courses taught within the college but can also select courses within their program from those taught at the university itself. They can participate in extra-curricular activities within both the college and the university.

For further information please contact
Miss J. Catherine Ridley
Registrar
Huron College
1349 Western Road
London, Ontario N6G 1H3
Telephone (519) 438-7224

King's College

King's College is a co-educational university college offering courses in arts, social sciences and social work. Through its affiliation with The University of Western Ontario, King's is an integral part of the university community and students' programs often combine courses given on the main campus with those taken at the college. Last year King's College had a student enrolment of 865.

Person-centred education is the goal at King's: seminar and dialogue-oriented classes; close relationships between students and professors; quality programs; the easily formed friendships of the King's community; student representation on all administrative bodies of the college.

Facilities available on the King's campus include residence, lounges, recreation rooms, chapel, library, classrooms, and cafeteria service.

At King's, townhouse residences are available. These smaller home-like units are a marked contrast to the usual residential complexes.

For further information please contact
Mr. John H. Campbell
Registrar
King's College
266 Epworth Avenue
London, Ontario N6A 2M3
Telephone (519) 433-3491

Libraries

The university libraries contain more than 2,500,000 items and receive annually more than 10,500 periodicals.

Residence Accommodation

The residences of the university and its affiliated colleges provide accommodation for about 20% of the students registered at the university for the regular academic session. Information regarding these residences will be forwarded to all freshmen at the time of their application and may also be requested from
Manager
Residence Admissions and Off-Campus Housing
Stevenson-Lawson Building, Room 65
The University of Western Ontario
London, Ontario N6A 5B8

Westminster College is a United Church sponsored residential college for 200 students. For information please write to

Mr. Neil A. Campbell
Dean of Residence
Westminster College
1476 Richmond Street
London, Ontario N6G 2M2

Annual Tuition Fees

Arts, business, engineering, physical education, science and social science programs \$765
Dentistry (professional years) \$950
Education \$766.50
Engineering (second, third and fourth years) \$825
Law \$775
Medicine (professional years) \$950
Music \$775
Nursing \$740
Occupational therapy \$785
Physical therapy, communicative disorders \$740
Social work \$765
(These fees include student activity fees totalling \$76.50.)

Financial Assistance

Government financial assistance is available to full-time students in the form of loans and/or grants and to part-time students as provincial bursaries or loans.

For further information concerning government assistance see the introductory section on financial assistance and check with the university's Student Awards Office. The Student Awards Officer will also have details on bursaries and scholarships offered by the university.

The university publishes a list of admission awards, scholarships and bursaries in the composite calendar.

Further Inquiries

For additional information concerning any aspect of admissions, programs, the provision of special lectures by the Discipline Resource Centre, the pre-admission academic counselling program, or to visit Western, please contact
Mr. George L. Hartsell
Associate Registrar, Secondary School Liaison
Stevenson-Lawson Building, Room 180
The University of Western Ontario
London, Ontario N6A 5B8
Telephone (519) 679-2326

Mr. E. Wayne Kropf
Assistant Registrar: Admissions
Stevenson-Lawson Building, Room 160
The University of Western Ontario
London, Ontario N6A 5B8
Telephone (519) 679-2301

For information and application forms for student awards and loans, write to
Director of Financial Aid
Sommerville House, Room 107
The University of Western Ontario
London, Ontario N6A 3K7
Telephone (519) 679-2400

Wilfrid Laurier University

Waterloo

President: Frank C. Peters

Founded in 1911, Wilfrid Laurier University is pledged to developing sound professor-student dialogue. By limiting its undergraduate enrolment to about 2,300 in the Faculty of Arts and Science, 900 in the School of Business and Economics, and 140 in the Faculty of Music, WLU is small enough for students to get to know one another and their professors.

The university attracts faculty interested in teaching, with senior faculty members instructing first year courses. Student-faculty research is stressed by having students and their professors participate in such ventures as seminars in the Near East, archaeological digs at home and overseas, and science studies in the Maritimes. Language students have the opportunity for first hand experience in different cultures through an exchange program with the University of Mannheim in Germany and French-speaking universities in Canada and Europe. Students in the Faculty of Music general and honours programs receive weekly individual lessons from members of the Stratford Festival Ensemble.

Academic excellence is continued at the graduate level, where Master's programs are offered in business administration, geography, history, political science, psychology, religion and culture, romance languages, social work and theology.

In addition to the teaching facilities with modern lecture rooms and laboratories, the campus houses a new athletic complex with an Olympic-length swimming pool, a five-storey library, and the student union building. The campus residences, accommodating 669 students and normally available to all students, are close to all facilities, stimulating an atmosphere of intimacy and community.

Enrolment 1976-77

Full-time 3,242

Part-time 4,011

Faculties and Schools

Faculty of Arts and Science

Faculty of Graduate Studies

Faculty of Music

Faculty of Social Work

School of Business and Economics

Waterloo Lutheran Seminary

Admission Requirements

Admission from year 5 to the university will be based on the following criteria:

- year 5 subjects sufficient to qualify the applicant for an Ontario Secondary School Honour Graduation Diploma plus the specific program requirements as outlined below,
- an academic standing based on the applicant's record of the last two years, and
- a recommendation from the secondary school principal.

Specific Program Requirements

Specific program requirements that must be included in the year 5 course of studies are as follows:

- B.A. general program: English recommended.
- B.A. honours program: English recommended. The applicant must possess the minimum subject standing(s) specified by the department in which he or she wishes to pursue honours studies. Minimum year 5 average of 60%.
- B.Sc. general program: mathematics (two credits) and any two of physics, chemistry, or biology.
- B.Sc. honours program in biology: mathematics (two credits) and any two of physics, chemistry, or biology. A minimum average of 66% is required in mathematics and sciences.
- B.Sc. double honours program in chemistry and biology: mathematics (two credits), chemistry and one of biology or physics for both programs.
- Bachelor of Business Administration or B.A. in Economics honours programs: English and mathematics (two credits) recommended. Minimum year 5 average of 60%.
- B.Mus. honours program: minimum year 5 average of 60%. Additional qualifications are required for prospective students in
 - B.Mus.-Grade 2 theory, Royal Conservatory of Music, or its equivalent;
 - piano and organ—a minimum level of Grade 9 piano, Royal Conservatory of Music, or its equivalent;
 - voice or instruments other than organ or piano—Grade 8 Royal Conservatory of Music may be taken as a guide to the minimum level. An applicant who is unable to meet this admission requirement must attain the equivalent level of piano proficiency by the end of the second year in the program.

All prospective students must have an audition-interview with the faculty, to be arranged by appointment by April 30, 1977.

The applicant will be required to take a musical aptitude test, a written theory test, and to perform two compositions in contrasting styles in his or her own performance medium. All documentary evidence of the applicant's musical background and examination results should have been sent to the Office of the Registrar before this interview. Late applicants will be considered if space permits.

*Degree Programs

Bachelor of Arts

General program:

Three years (15 courses). Majors available in anthropology, archaeology, biology, Canadian studies, chemistry, classics (Greek and Latin), economics, English, fine arts, French, geography, German, history, mathematics, music, philosophy, physical education, physics, political science, psychology, religion and culture, sociology, Spanish, urban studies, values education, and world literature.

Honours program:

Four years (20-24 courses). Available in anthropology, archaeology, economics, economics with finance and accounting options, economics (mathematics option), English, French, geography, German, German area studies, Greek, history, Latin, philosophy, po-

litical science, psychology, religion and culture, sociology and Spanish. Many combinations of the foregoing are available.

Bachelor of Business Administration

Honours program:

Four years (24 courses). Students may also combine studies with options in biology, chemistry, economics, mathematics, or physics.

Co-operative option:

The undergraduate business administration degree program now offers a co-operative option. Co-operative students begin their alternating sequence of work and study terms at the end of the second year. Normally, a student would accumulate 12 months of practical work experience and graduate four months after students in the regular sequence. Students apply for the co-operative option during the fall of their first year of studies.

Bachelor of Science

General program:

Three years (15 courses). Majors available in biology, chemistry, mathematics, physics and physical geography.

Honours program:

Four years (20 courses). Available in biology, with possible concentration in ecology, taxonomy, general botany, general zoology, pre-medicine, or pre-dentistry, and chemistry and biology as a double honours program.

Bachelor of Music

Honours program:

Four years (20 courses and participation in at least one choir or ensemble each year). Students may follow the Honours B.Mus. degree without specialization or choose to specialize in performance, baroque music, church music or composition. Courses are offered in theory, history, music education, and performance (instruction in all instruments and voice is offered).

Library

The library houses over 400,000 items, including 250,000 volumes, as well as subscriptions to over 5,000 journals.

Year 4 Scholarship Program

Since 1966 Wilfrid Laurier University has offered a number of summer session scholarships to students who are completing year 4. The students selected come to the campus about July 1 and take any two first year courses over a period of six weeks. The student holds degree credit for courses passed in the summer session. Successful candidates must:

- obtain a minimum average of 75% at the end of year 3 and on interim year 4 marks,
- be recommended by their principal,
- have spent no more than four years in a secondary school,
- agree to attend summer session, taking any two first year courses, and
- be enrolled in a full year 4 program (university stream) which will qualify them for enrolment in year 5.

Successful applicants will be offered:

- summer session scholarships, covering tuition, to take any two first year courses during the six week summer session (begins about July 1).
- admission to the first year of the B.A. program in September, if a grade point average of 7.00 (B-) is obtained in the summer courses.
- eligibility for a limited number of university scholarships (\$400 per year) if a GPA of 10.00 (A-) is obtained in the summer courses. Students will advance to a general B.A. degree in three years or honours B.A. degree in four years beyond year 4. In certain cases students may be admitted to general science. Students may return to year 5 if they wish at the end of the summer session. Applications must be submitted by April 1 using the OUAC 101 form, available in secondary schools.

Tuition Fees

Full-time \$720

Business administration (2nd, 3rd and 4th year) \$745

Residence fees (Including meals five days per week)

Double rooms \$1,570

Single rooms \$60 extra

Further Inquiries

Inquiries about admission requirements should be directed to

Mr. Keith Rae
Assistant Registrar (Admissions)
Wilfrid Laurier University
75 University Avenue West
Waterloo, Ontario N2L 3C5

Inquiries about secondary school liaison and general university information should be directed to

Mr. Arthur Stephen
Director of Liaison
Wilfrid Laurier University
75 University Avenue West
Waterloo, Ontario N2L 3C5

Mrs. Helene Amster
Liaison Officer
Wilfrid Laurier University
75 University Avenue West
Waterloo, Ontario N2L 3C5

Information about student awards and loans may be obtained from

Mr. H. K. Braden
Director
Student Awards
Wilfrid Laurier University
75 University Avenue West
Waterloo, Ontario N2L 3C5

Telephone (519) 884-1970

University of Windsor

Windsor

President: J. F. Leddy

The Ambassador Bridge connecting Windsor with Detroit has often been chosen by the university to symbolize the particular character of the university campus. As a bridge to learning and opportunity, the University of Windsor has been developing with the vigour of youth since its outgrowth from Assumption University which gives it, at the same time, traditions dating back more than a century.

The university includes the federated Assumption University and three affiliated colleges: Holy Redeemer, Canterbury and Iona.

Enrolment 1976-77

Full-time 7,400

Faculties and Schools

Faculty of Arts
Faculty of Business Administration
Faculty of Education
Faculty of Engineering
Faculty of Graduate Studies
Faculty of Human Kinetics
Faculty of Law
Faculty of Science and Mathematics
Faculty of Social Science
School of Computer Science
School of Dramatic Art
School of Nursing
School of Social Work

General Admission Requirements

A full year 5 program as approved by the secondary school. The subjects required vary according to the university program which the student wishes to enter.

Early admission will be granted to applicants for the fall of 1978 on the basis of:

- the total secondary school performance,
- year 5 term and interim marks, and
- principal's recommendation.

Students with 66% or better in a program oriented toward university studies in Ontario year 4 or equivalent may apply for the preliminary year at the University of Windsor in lieu of year 5. Students who have already attempted year 5 are not eligible for the preliminary year.

*Degree Programs and Subject Requirements

Bachelor of Arts

General program:

Three years, with majors available in anthropology, art history, Asian studies, classical civilization, communication studies, comparative literature, drama, economics, English, fine arts, French, geography, German, Greek, history, home economics, Italian, Latin, linguistics, mathematics, music, philosophy, political science, psychology, religious studies, Russian, sociology, Spanish, Ukrainian, urban studies.

Honours program:

Four years, with majors available in anthropology, art history, Asian studies, classical studies, communication studies, comparative literature, drama, economics, English, French, geography, German, Greek, history, home economics, international relations, Italian, Latin, Latin-American studies, linguistics, mathematics, philosophy, political science, psychology, religious studies, Russian, sociology, Spanish, urban studies, and combinations of these.

Year 5 Requirements for Admission to Bachelor of Arts Program

A full year 5 program as indicated above. For programs involving languages, the year 5 level of the appropriate language is normally required or recommended; mathematics 1 is required and mathematics 2 and 3 are recommended for a general mathematics major, honours mathematics, or honours philosophy and mathematics; mathematics 1 is required for honours economics and mathematics; mathematics 1 and physics are required for honours psychology and science.

Bachelor of Science

General program:

Three years with majors in biology, chemistry, geology, mathematics, physics, pre-medicine, pre-dentistry, pre-optometry.

Honours program:

Four years, available in biology, chemistry, geology, mathematics, physics and combinations of these.

Year 5 Subject Requirements for Admission to Bachelor of Science Programs

A full program at the year 5 level with an overall average of 60%.

For majors in chemistry: Mathematics 1; two or more of biology, chemistry, physics, geology, or an additional mathematics; 60% in mathematics and science is required; mathematics 2 and 3 are strongly recommended.

For majors in geology: At least two of biology, chemistry, geology, mathematics 1, 2, 3, physics; an average of 60% in mathematics and science is required.

For majors in mathematics: Mathematics 1 and 2; mathematics 3 is recommended. An average of 60% in math subjects is required.

For majors in physics: One credit in mathematics and additional credits in mathematics and physics recommended.

For majors in biology (including pre-medicine, pre-dentistry, pre-optometry): Mathematics and at least two of biology, chemistry, geology, physics, one other mathematics. An average of 60% in mathematics and science is required.

Bachelor of Fine Arts

Four years, with specialization in either fine arts or drama.

Year 5 Requirements for Admission to Bachelor of Fine Arts Program

A full program at the year 5 level. For specialization in drama, successful completion of an audition is also required; auditions are normally held on specific dates during the spring.

Bachelor of Music

Four years, with specialization in either history and theory, school music or applied music.

Year 5 Subject Requirements for Admission to the Bachelor of Music Program

A full program at the year 5 level and audition by the Music Department to consist of performance and written test on music theory.

Bachelor of Musical Arts

Three years, with wide option in music course selection under supervision of academic counsellors. Emphasis is on freedom of choice and on designing a program to suit the individual student's interest and background.

Year 5 Subject Requirements for Admission to Bachelor of Musical Arts Program

A full program at the year 5 level.

Bachelor of Science in Nursing

Four years from year 5; three years for candidates with professional nursing qualifications. A one-year diploma program in public health nursing is offered for professional nurses.

Year 5 Subject Requirements for the Bachelor of Science in Nursing Program

A full program at the year 5 level including biology (English and chemistry are recommended), with an overall average of 60%. Completion of OSSGD is required including English, chemistry, math and physics. An interview with the School of Nursing is also required.

Bachelor of Social Work

Four years from year 5.

Year 5 Requirements for Admission to the Bachelor of Social Work Program

A full program at the year 5 level.

Bachelor of Computer Science

General program: Three years.
Honours program: Four years.

Year 5 Subject Requirements for the Bachelor of Computer Science Program

A full program at the year 5 level with 60% overall average and 60% in mathematics 1 and 2; mathematics 3 is recommended.

Bachelor of Human Kinetics

Four years with specialization in kinesiology, applied kinesiology, health studies, physical education.

Year 5 Subject Requirements for the Bachelor of Human Kinetics

A full program at the year 5 level; an English and science course in year 5 are suggested.

Bachelor of Public Administration

Four years from year 5, with required courses in political science, economics, law, and business administration.

Year 5 Requirements for Admission to the Bachelor of Public Administration Program

A full program at the year 5 level.

Bachelor of Applied Science

Four years, including one common year followed by three years of specialization in one of: chemical, civil, electrical, geological, industrial or mechanical engineering, or engineering materials.

Year 5 Subject Requirements for the Bachelor of Applied Science Program

A full year 5 program with an overall average of 60%; functions and relations, algebra, physics and chemistry are strongly recommended.

Bachelor of Commerce

Four years, with emphasis on business and economic affairs with specialization in accounting, administrative studies, finance, management science and marketing.

Year 5 Subject Requirements for the Bachelor of Commerce Program

A full year 5 level program; mathematics 2 and 3 are strongly recommended.

Bachelor of Laws

Three years following a Bachelor of Arts degree or the equivalent, or following at least two years of university (a minimum of five years from year 5). Applications should be made to the Faculty of Law, University of Windsor. Year 5 subject requirements for a student considering law are the same as for a Bachelor of Arts program.

Bachelor of Education

Three programs to prepare for certification to teach in Ontario schools from grade 1 to year 5.

- a) Consecutive program, one year in length.
Admission Requirement: An approved degree from an accredited university.
 - b) Two concurrent programs:
 - 1) four years, leading to general bachelor's degree of student's faculty, and Bachelor of Education degree;
 - 2) five years, leading to honours bachelor's degree of student's faculty, and Bachelor of Education degree.
- Admission Requirements: A full year 5 program.

Library

The library contains 700,000 volumes.

Annual Fees

Full-time students:

Preliminary year \$790

Arts, communication studies, computer science, music, science, social science \$755
Dramatic art (plus an audition fee of \$10) \$755

Commerce \$756.50

Human kinetics \$770

Fine arts, social work \$765

Nursing \$775

Law \$772.50

Engineering \$821

Education \$752

For non-Canadian students the annual fees are approximately \$1,570. The University of Windsor and its affiliates own and/or operate a total of eight residences for men and women, plus a central food complex to service these residences. Residence fees vary with the plan selected.

Further Information

Inquiries about admission requirements should be directed to
Mrs. Rosary Carney
Assistant Registrar (Admissions)
University of Windsor
Windsor, Ontario N9B 3P4

Inquiries about student awards and loans should be directed to
Mrs. Marie Renaud
Office of Student Awards
University of Windsor
Windsor, Ontario N9B 3P4

For information on other aspects of the university and on university information programs for secondary schools contact
Mr. Joe Saso
Secondary School Liaison Officer
Windsor Hall
University of Windsor
Windsor, Ontario N9B 3P4

Telephone (519) 253-4232

York University

Toronto

President: H. Ian Macdonald

From a first year class of 76 in 1960, York has developed into one of the largest universities in Ontario, with a current student population (full-time and part-time, undergraduate and graduate) of about 28,000. An innovative and distinct alternative to tradition, York has pioneered and continues to emphasize the college system, interdisciplinary studies and general education before specialization.

York University has two campuses in Metropolitan Toronto. Glendon College, a small liberal arts college emphasizing Canadian studies in a bilingual and bicultural atmosphere, occupies an 84-acre campus at Bayview and Lawrence Avenues. Some 13 miles away is the 600-acre main campus, the York Campus, where a large, multi-faculty university is being developed. Here, some 28 academic and allied buildings have been completed to date, including seven colleges and their associated residences, buildings for the physical, biological and behavioural sciences, administrative studies, a theatre-auditorium, a dance and visual art building, physical education centre, libraries, lecture hall buildings and graduate residences. Osgoode Hall Law School, now the Faculty of Law of the university, moved into its new building on the York Campus in 1969.

Special study and research facilities are available in experimental space science, behavioural research, environmental quality, and transportation studies. A distinctive academic program for part-time degree students is offered by the Joseph E. Atkinson College. Non-degree courses are offered through the Centre for Continuing Education.

Enrolment 1976-77

Full-time undergraduate 11,553
Part-time undergraduate 10,391

Faculties and Schools

Faculty of Administrative Studies
Faculty of Arts
Faculty of Education
Faculty of Environmental Studies
Faculty of Fine Arts
Faculty of Graduate Studies
Faculty of Science
Osgoode Hall Law School of York University
Glendon College
Centre for Research in Experimental Space Science
Centre for Research on Environmental Quality
Institute for Behavioural Research
York University Transport Centre

General Requirements for Admission 1977

Applicants for admission to the university must have completed a full year 5 program certified by the school as appropriate in terms of content and achievement for a university degree program, with standing in all year 5 subjects.

In addition to the academic record, the university requires a report from the high school. Candidates are advised that the holding of the published admission requirements means only that they are eligible for selection.

Candidates from the United States must present Scholastic Aptitude Test scores, both verbal and mathematical, offered by the College Entrance Examination Board, Box 592, Princeton, New Jersey 08540.

Bachelor of Arts in the Faculty of Arts

The Faculty of Arts at the York Campus offers programs of study leading to the Bachelor of Arts degree at the ordinary and honours levels, on a full or part-time basis. Degrees may be taken in the traditional disciplines, in interdisciplinary (thematic) studies and in individualized studies.

The student is introduced to the Faculty of Arts through a balance between disciplinary and interdisciplinary courses. Within the first seven courses (a normal full-time program consists of five courses per year), the student examines three interdisciplinary areas: humanities, social science, and natural science. As well, the student takes a college tutorial (maximum 18 students per tutorial)—allowing for experience with the small seminar setting. Students may take up to three disciplinary courses in their first year and have the option of either declaring a major subject in the first or second year of study. Electives may be selected from courses offered by other faculties at York.

*Programs of Study

Arts offers ordinary (15 courses—normally three years) and honours (20 courses—normally four years) programs of study in the following subjects: anthropology, computer science, economics, English, geography, German, history, Italian, linguistics, mathematics, philosophy, physical education (honours only), political science, psychology, Russian, sociology, Spanish.

In addition, the following thematic studies programs are offered in general honours: African studies, Canadian studies, creative writing (arts—fine arts), East Asian studies, Latin American and Caribbean studies, law and society, philosophy and history of science, religious studies, social and political thought, urban studies.

In an ordinary program, students take four or five courses in their major and select their remaining courses in accordance with the requirements of the Faculty of Arts and their own interests.

In an honours program, students pursue their studies within one of the following five formats:

- specialized honours—students specialize in one subject by taking eight to ten courses in their major program;
- combined honours—students elect to major in two subjects, taking six courses in the first major and four in the second, or five in each;
- general honours—students take six courses in one major subject;
- general honours: thematic programs—students take a six-course major in one subject and six additional courses within their chosen thematic area;
- general honours: individualized studies—students take a course of study designed around a theme or problem that interests

them. Planned by the student in consultation with a faculty adviser.

Winter-Summer Session

As an alternative to beginning university in September, the Faculty of Arts offers a winter-summer session for first year students. Entering students may commence their studies in January and complete their first academic session in August.

Year 5 Requirements for Bachelor of Arts Program

To be eligible for admission, Faculty of Arts applicants must achieve a minimum overall average of 60% in any six year 5 credits.

Selection

Candidates are advised that holding the published minimum admission requirements means only that they are eligible for selection. In the selection process, the university makes its offers of admission to the highest academically qualified candidates. In assessing a candidate for admission, the university considers the overall academic record and the report of the high school.

Bachelor of Business Administration in the Faculty of Administrative Studies

A four-year honours undergraduate program. Students enter the program at the third year level and spend third and fourth years concentrating on business subject areas. For entry into the program, students must be eligible to proceed into third year in an honours program, having taken prerequisite courses in mathematics and economics.

Bachelor of Fine Arts and Bachelor of Arts in the Faculty of Fine Arts

The Faculty of Fine Arts offers a four-year honours program with specialized honours and general honours programs. Specialization occurs in the following areas:

Department of Visual Arts—studio art (painting, sculpture, printmaking, design, drawing, photography), art history.

Department of Dance—performance, choreography, notation, criticism, teaching, dance therapy, history.

Department of Film—film production and film studies.

Department of Music—composition and improvisation, early music (performance and literature), jazz studies, world music (performance and literature).

Department of Theatre—performance, production and design, drama studies.

Evaluation Procedure

In addition to the regular requirements for admission to the university, the Faculty of Fine Arts requires an evaluation of an applicant's suitability for any of its departments. The requirements for each department are detailed in the York University Undergraduate Calendar. It is the applicant's responsibility to make an appointment for evaluation. Applicants from Ontario, but residing some distance from Toronto, should note that the Faculty of Fine Arts will make every effort to have evaluators see them close to their homes. Applicants will be advised of the location and dates of these evaluations.

Requirements for Admission to the Faculty of Fine Arts

Students may select any six year 5 subjects deemed acceptable by their school for the purpose of entrance to the university, with a minimum overall average of 60%. Applicants will also be required to offer appropriate evidence of aptitude or achievement by satisfying the evaluation procedure for the department to which application is intended.

Applicants of any age who do not hold the full year 5 or equivalent requirements may request special consideration if they can show evidence of high achievement in one or more of the several arts, and if they can satisfy the Senate Committee on Admissions and the Faculty of Fine Arts that they have a reasonable chance of success in both the academic and the professional portions of the university program of their choice.

Bachelor of Arts at Glendon College

Ordinary programs:

Three years with majors available in economics, English, French, history, political science, psychology, philosophy, sociology and Canadian studies. Students may undertake specialized honours studies in any of these subjects (other than Canadian studies) or combined honours studies in any two, or in French and Spanish.

General honours:

Programs are available to enable students to select a pattern of study not otherwise available to Bachelor of Arts honours candidates. Students complete at least six courses in one department and select the remaining courses in consultation with that department to form an effectual pattern of studies. General honours programs have been formally mounted in Canadian studies, international studies, and in social, political and economic thought.

Year 5 Subject Requirements

Applicants may select any six year 5 subjects deemed acceptable by their school for the purpose of entrance to the university.

English-speaking applicants to the bilingual program should normally have at least 60% in year 4 French or standing in year 5 French or equivalent, but some places are available in French language courses for which little or no previous preparation in French is required.

For students entering the unilingual stream, the normal year 5 admission prerequisites apply.

Atkinson College

Atkinson College, the evening Faculty of Arts and Science at York University, offers courses leading to four undergraduate degrees: Bachelor of Arts degree (both ordinary and honours), the Bachelor of Science degree (ordinary), the Bachelor of Arts degree (administration/honours), and the Bachelor of Social Work degree (honours). In addition to the customary arts program, there are programs in administrative studies, Canadian studies, fine arts, humanities, science, social

work, and urban studies. The college operates on the course-credit, not the year, system. In summer, courses are offered during the day as well as in the evening. Courses are the equivalent of daytime courses, although not necessarily identical to them and are given mainly by the full-time Atkinson faculty. Classes are held on both the York and Glendon Campuses of the university.

Faculty of Education

York's Faculty of Education offers a concurrent program in which students pursue their academic and professional studies simultaneously. Students co-register in the Faculty of Education and in either the Faculty of Arts, Science, Fine Arts, or Glendon College. In other words, students work toward a B.A., B.Sc., or B.F.A. degree while at the same time looking toward a B.Ed. degree. With co-registration, an extra year is added to the normal length of the academic degree. Consequently, an ordinary degree (B.A./B.Ed., B.Sc./B.Ed., B.F.A./B.Ed.) takes four years; an honours degree takes five years. Further teacher education is not necessary upon graduation.

During the first year of academic study at York (or equivalent), students may apply to co-register in one of the following programs of the Faculty of Education: communication arts; education of exceptional students; fine arts—visual arts; French as a second language; Judaic studies option; man and culture; man and society; man in nature; physical education (health and recreation); quantitative methods.

Successful completion of any one of the combined B.A./B.Ed., B.Sc./B.Ed., or B.F.A./B.Ed. programs leads to recommendation for certification in Ontario as an elementary or secondary school teacher.

Bachelor of Science in the Faculty of Science

Both specialized honours programs (120 credits minimum) and ordinary programs (90 credits minimum) are offered in biology, chemistry, computer science, mathematics, physics, psychology, and applied computational and mathematical science. Specialized honours programs only are offered in physical education and in earth and environmental science.

Combined honours programs (120 credits minimum), in which the student may choose to major in a combination of two or three subjects, are available.

An honours science program (120 credits minimum), without specialization, is also offered.

The curriculum for the liberal science program (90 credits minimum) is designed to meet the growing need for a general education. It includes a strong base in science, particularly for those students who have an interest in science, but who do not intend when they enrol as undergraduates to pursue careers in science. The program permits maximum flexibility in the selection of courses offered by the Faculty of Science and by other faculties of the university. Students may continue their studies in the program to graduation or, as their interests develop,

elect to apply to transfer into either another B.Sc. degree program or other programs leading to professional careers in fields such as economics, political science, and business administration. Indeed, such careers, based on a scientific rather than an arts background, may better fulfill the country's developing needs in an increasingly scientific and technological age.

Requirements for Admission to the Faculty of Science

Applicants for admission to the honours, ordinary and liberal science B.Sc. programs in the Faculty of Science must present six year 5 credits, with an overall average of at least 60%. Those intending to pursue honours and ordinary science programs are advised to select chemistry, physics and two credits of mathematics at the year 5 level.

Bachelor of Laws at Osgoode Hall Law School

Candidates for this program must have successfully completed either three years of an approved university degree course following year 4 or two years of an approved university degree course following year 5, or have been awarded a degree in an approved program from a recognized university, and have satisfied all other requirements that may be prescribed.

Part-Time Daytime Studies

Each of the faculties, other than the Faculty of Administrative Studies, offers the opportunity for students to pursue studies on a part-time daytime basis.

Applicants should request, from the Admissions Office, information regarding the regulations pertaining to part-time studies in each faculty.

Libraries

The York libraries hold 1,188,500 items including 575,000 microfilm by reel, and 600,000 microsheet by piece.

Annual Fees

The tuition fees for full-time undergraduate students in the 1976-77 session were \$660. Part-time studies (Atkinson College) \$130 per course.

Information concerning the increased fees for foreign students is available at the university on request.

Residence fees including meals (approximate)

Double rooms \$1,125; single rooms \$1,200. Only a limited number of single rooms are available to first year students. Fees are subject to change without notice.

Further Inquiries

Inquiries about admission requirements should be addressed to
Mr. J. A. S. McNeil
Director of Admissions
York University
4700 Keele Street
Downsview, Ontario M3J 2R3
Telephone (416) 667-2100

For information about student awards and
loans, please contact
Miss Kaye MacDonald
Assistant Registrar (Awards)
York University
4700 Keele Street
Downsview, Ontario M3J 2R3

Schools Liaison
Mr. L. Davies
Assistant Director of Admissions (Liaison)
York University
4700 Keele Street
Downsview, Ontario M3J 2R3
Telephone (416) 667-2334

Schools Liaison Officer for Glendon College
F. Bravay
Glendon College
2275 Bayview Avenue
Toronto, Ontario M4N 3M6
Telephone (416) 487-6211



Ontario College of Art

Toronto

President: Paul D. Fleck

The Ontario College of Art is dedicated to providing its students with a visual education at an advanced level. Indeed, its prime purpose is to educate those who will earn a livelihood as professional artists and/or designers. Some graduates will proceed to related fields; others to quite disparate vocations but with an increased sensitivity to the visual arts, a sensitivity which will richly enhance their own lives and the lives of those around them. The college curriculum reflects the view that the visual arts, no less than the liberal arts, are an avenue to an understanding and appreciation of one's self, of one's culture, and of the world.

The college had its beginnings in 1876. Located at its present site since 1922, it has grown over the years to a campus which has seen several major additions to the original Grange Building, as well as the acquisition of a number of remodeled old houses and rented warehouse space immediately adjacent to the college. The physical facilities include a wide variety of studios, lecture/seminar rooms, and work stations. The many well equipped shops and studios include wood, metal, plastics, foundry and casting, ceramics, textiles, film and video, photography, light laboratory, reproduction and typography, and printmaking. The college includes one of the largest specialized art and design libraries in Canada and a gallery run by students solely for the exhibition of student work.

Enrolment 1976-77
Total 1,258

Undergraduate Program

The Ontario College of Art is one of the few colleges in North America devoted to the education of the artist and the designer; it is by far the largest of its kind in Canada. It enjoys the reputation of having produced more outstanding professional artists and designers than any other Canadian college or university art department.

The college grants the A.O.C.A. Diploma (Associate of the Ontario College of Art) upon graduation from the four-year program.

First year students take a common curriculum of Foundation Studies, a curriculum which is concerned with the heightening of perception and awareness, and with the development of concepts of visual creativity. Foundation Studies expose students to a variety of approaches, ideas, media, materials, methods, processes and applications.

Following Foundation Studies, students may choose one of two approaches. They may select a generalist program which will allow them to select their courses freely from among all of the offerings available in the various departments, or they may select a specialist program which will allow concentration on a particular area or areas of study within a single department.

Specialist programs of study may be undertaken in the Department of Fine Arts, Experimental Arts, Photo-Electric Arts, Communication and Design, Product and Systems Design, and Design.

Through all four years, the curriculum is supported by the Resource Studies area which consists of the Department of Liberal Arts Studies and the Department of Technological Studies.

The individual is paramount at the Ontario College of Art. Students have their own advisor and every effort is made to help them develop a program particularly suited to their own educational background, experience, and talents, as well as to their future goals. All of this takes place in the context of a very exciting metropolis abounding in those kinds of experiences and facilities which are of very special value to the future artist and designer.

Graduate Program

The Ontario College of Art offers a fifth year of study to students holding the A.O.C.A. Diploma or its equivalent. The program is designed to provide students with a year of intensive study in one of the fields of concentration offered in the college program. A statement certifying the nature and duration of the study is provided at the end of the year.

Part-Time Programs and Evening Class Programs

The college can accommodate a limited number of students taking part-time programs of study within the regular daytime program.

A variety of credit courses is offered during the evenings and in the summer. Admission requirements, evaluation procedures, etc. for credit courses are the same as those applying to students in the full-time program.

Admission Requirements

Candidates for the A.O.C.A. Diploma must possess the minimum academic admission requirements of the Ontario Secondary School Graduation Diploma or its equivalent. Due consideration is given to additional academic achievement, relevant experience, and specialized education in art or design. Applicants lacking this academic standing may be admitted as mature students if they are at least 21 years of age. A portfolio is required and an interview is strongly recommended. Applications for admission in 1978 will be closed June 1, 1978. Overseas applications will be closed March 31, 1978.

Transfer of Credits to the University of Guelph

Bachelor of Arts Degree

For students possessing the admission requirements for the University of Guelph, the completion of each year at the Ontario College of Art carries some transfer credit. Those who graduate with the A.O.C.A. Diploma can expect credit for up to one and a half years of Guelph's three-year Bachelor of Arts degree. Because of the trimester system available at the University of Guelph, OCA undergraduates can complete the balance of the credits required for the Bachelor of Arts degree by attending four spring semesters,

usually May 1 to August 15. In short, it is possible for a student to obtain both the A.O.C.A. and the Bachelor of Arts degree in four full years of study.

Annual Tuition Fee
Total \$575

Financial Assistance

Students in financial need may apply for assistance from a variety of sources. Government assistance is available to full-time students in the form of loans and grants and to part-time students as bursaries or loans.

For further information concerning government assistance see the introductory section on financial assistance and check with the college's Student Awards Office. The Student Awards Officer will also have details on bursaries and scholarships offered by the college.

Further Inquiries

For further information, interested students are invited to write to
Joan Brabant
Registrar
Ontario College of Art
100 McCaul Street
Toronto, Ontario M5T 1W1
Telephone (416) 366-4977

Teacher Education

General information concerning courses offered and admission requirements follows in this section of *Horizons*, but it should be noted that these regulations may be subject to change. For further information and application forms for admission, applicants should write to the faculty, school or college of education of their choice.

•How to Qualify as an Elementary School Teacher

Students wishing to prepare themselves for a teaching career in an elementary school may apply for admission to a faculty, school, or college of education, if they have the necessary qualifications.

The colleges, faculties or schools of education at Brock University, Lakehead University, Laurentian University, Nipissing College, the University of Ottawa, Queen's University, the University of Toronto, The University of Western Ontario, the University of Windsor, York University and the Ontario Teacher Education College offer courses for students who wish to qualify as elementary school teachers.

The Faculty of Education, University of Ottawa, and the School of Education, Laurentian University provide teacher education programs for those who wish to teach in schools or classes having French as the language of instruction.

Courses and Admission Requirements

For admission in September 1978 to courses leading to certification as an elementary school teacher, the requirements stated below for faculties, schools, or colleges of education will be in effect.

Courses for Teaching in English Language Schools

Basic One-year Course

An applicant for admission in September 1978 to one-year programs leading to elementary school teacher certification in Ontario, will be required to submit evidence of successful completion of an approved university degree in arts or science, or a degree deemed equivalent.

Special Courses

In addition to the basic courses previously mentioned, for which the regular admission requirements apply, specialized courses are offered at some institutions, if there is a sufficient number of applicants.

For applicants having a high level of proficiency in oral French, in addition to the basic one-year course, an optional course which leads to a Certificate as Teacher of French to English-Speaking Pupils in Elementary Schools may be given. (This course may be offered by the colleges or faculties of education at the universities where the elementary teacher education program is offered.)

Information about the eligibility of certified teachers for summer school courses in the teaching of French may be obtained from the Teacher Education Branch, Ministry of Education, Mowat Block, Queen's Park, Toronto, Ontario M7A 1L2.

Courses leading to an Elementary Vocal Music Certificate, Type B, may be offered at

colleges where the number of applicants justifies their establishment. (This program may be offered at the colleges and faculties of education at universities where the elementary teacher education program is offered.)

Admission to University Faculties, Colleges or Schools of Education

To be eligible for elementary school teacher certification in Ontario, an English-speaking applicant wishing to pursue a course in teacher education offered by the faculty or college of education of a university must meet the admission requirements of that institution and must complete successfully an approved academic degree program in arts or science, in addition to a year of professional training. (For details of admission requirements for degree programs, see the sections in *Horizons* on specific universities.)

For admission requirements for elementary school teacher certification valid in French language schools or classes, an applicant should write to the Admissions Officer at the School of Education, Laurentian University or the Faculty of Education, University of Ottawa.

An applicant who wishes to enrol at a university offering a program in professional education for prospective elementary school teachers should write to the Admissions Officer or to the Dean of the faculty or college of education of the university for information regarding admission requirements and courses.

•How to Qualify as a Secondary School Teacher

Teachers of Academic Subjects

To become a qualified teacher of academic subjects in a secondary school, a student must have an approved university degree with standing in at least 15 full credit academic courses beyond year 5 or equivalent and must qualify for an Interim High School Assistant's Certificate, Type B, by successfully completing a teacher education course at an Ontario faculty, school, or college of education.

Students who are interested in taking a four-year or honours program at university may qualify for a Type A Certificate, as specialists in a subject.

The Type A subjects classified as academic include the following: agriculture, anglais, anthropology, art, biology, chemistry, computer science, dramatic or theatre arts, economics, English, français, French, geography, geology, German, Greek, history, home economics, Italian, Latin, mathematics, music, physical and health education, physics, political science, psychology, Russian, sociology, Spanish.

Teachers of Vocational Subjects

Teachers of technical or occupational (practical) subjects in the vocational or occupational classes of a secondary school must show evidence of at least year 4 or equivalent standing and approved, practical, wage-earning experience in a skilled trade directly related to the specialized subject field.

Candidates for admission to the course offered at a faculty, school, or college of education leading to a vocational or occupational (practical) certificate are required to meet standards of technical proficiency.

Detailed information regarding minimum admission qualifications, available courses,

professional experience required and course content is available from the following sources:

Director
Technical and Industrial Arts Department
Faculty of Education
University of Toronto
371 Bloor Street West
Toronto, Ontario M5S 2R7

Associate Registrar
Faculty of Education
The University of Western Ontario
1137 Western Road
London, Ontario N6G 1G7

Co-ordinator of Technical Education
Faculty of Education
Queen's University
Kingston, Ontario K7L 3N6

Teachers of Special Subjects

In addition to the basic academic and vocational certificates valid in secondary schools, supplementary certificates are required for the teaching of certain special subjects demanding specialized knowledge, training or experience.

Examples of such subjects are art, guidance, home economics, industrial arts, library, music, and physical and health education.

Information regarding qualifications for these certificates is available from Teacher Education Branch, Ministry of Education, Mowat Block, Queen's Park, Toronto, Ontario M7A 1L2

Fees

In 1977-78 a tuition fee of \$685 will be levied at the Ontario Teacher Education College. Fees will vary somewhat at faculties, schools, or colleges of education, with student activity fees included.

Financial Aid

Assistance based on financial need and actual students' costs is available under the Ontario Student Assistance Program. (See introductory section on financial assistance for details.) Further information on financial aid is available from the Principal of the Ontario Teacher Education College or from the Student Awards Officer of the university to which the student is applying.

Living Accommodation

Student teachers attending the Ontario Teacher Education College or a university away from home can obtain from the college (after July 1) or from the housing bureau of the university a list of convenient boarding houses. For residence accommodation at university, students who are interested in living on campus should apply early. (See introductory section on students' costs for details.)

Application for Admission

An application form for admission to a faculty, school, or college of education may be obtained from:

Ontario Teacher Education College—Hamilton
1400 Main Street West
Hamilton, Ontario L8S 1C7
Principal: G. Podrebarac
Telephone (416) 528-7049

Ontario Teacher Education College—
Toronto
951 Carlaw Avenue
Toronto, Ontario M4K 3M2
Principal: J. Bain
Telephone (416) 461-6351

College of Education
Brock University
St. Catharines, Ontario L2S 3A1
Dean: P. J. Atherton
Telephone (416) 684-7201

Faculty of Education
Lakehead University
Thunder Bay, Ontario P7B 5E1
Dean: J. T. Angus
Telephone (807) 345-2121

School of Education
Laurentian University
Ramsey Lake Road
Sudbury, Ontario P3E 2C6
Dean: G. Bordeleau
Telephone (705) 675-1749

Faculty of Education
McArthur Hall
Queen's University
Kingston, Ontario K7L 3N6
Dean: T. Williams
Telephone (613) 547-3264

Faculty of Education
Nipissing College
College Education Centre
P.O. Box 5002
North Bay, Ontario P1B 8L7
Dean: A. J. Johnson
Telephone (705) 474-3450

Faculty of Education
(English and French Programs)
University of Ottawa
75 East Laurier Avenue
Ottawa, Ontario K1N 6N5
Dean: L. P. Desjarlais
Telephone (613) 231-3960

Faculty of Education
University of Toronto
371 Bloor Street West
Toronto, Ontario M5S 2R7
Dean: John C. Ricker
Telephone (416) 978-3223

Faculty of Education
The University of Western Ontario
1137 Western Road
London, Ontario N6G 1G7
Dean: B. Shapiro
Telephone (519) 679-3292

Faculty of Education
University of Windsor
600 Third Concession Road
Windsor, Ontario N9E 1A5
Dean: A. S. Nease
Telephone (519) 969-0520

Faculty of Education
York University
4700 Keele Street
Downsview, Ontario M3J 1P3
Dean: R. Overing
Telephone (416) 667-6301

The Certified General Accountants Association of Ontario

Toronto

Executive Director: Herbert H. Perry,
F.C.G.A.

Certified General Accountants are members of Canada's second oldest accounting organization (incorporated in 1913) and are found in such positions as company officer, general manager, treasurer, controller and chief accountant.

Through the CGA Association a course of study is offered which will prepare you to become direct participants in management. You will study such management subjects as financial management, information systems, and financial controllership.

Graduate CGAs are self-reliant, determined people with the ability to concentrate on a problem and carry it through to solution. This ability is a direct result of the CGA program which allows you to learn while still earning a living in related employment.

Graduation qualifies you for the designation CGA and membership in the association.

Enrolment 1977-78
Total 7,000

Curriculum

The course is national and all subjects, other than provincial statutes, are identical in each province. You may transfer from province to province without any disruption in your study program. The course covers the broadest range of financial management subjects and includes accounting, business and statute law, mathematics of finance, managerial statistics, financial accounting, cost accounting, economics, information and computer systems, advanced accounting, auditing, taxation, specialized accounting, financial controllership, advanced auditing, managerial auditing, advanced taxation, business policy and administration, advanced finance, and organizational behaviour.

The fifth level of the program permits you to choose one area of specialization in your final year. You will study advanced courses in one of the following areas: financial accounting, controllership, taxation or auditing.

The study program was developed and is constantly updated by university professors from different universities in Canada, in conjunction with the Faculty of Commerce and Business Administration of the University of British Columbia and officials of the CGA Undergraduate Education Committee.

Study Program

The program is primarily on a correspondence basis and is supplemented by lectures in eighteen areas located throughout the province, generally in universities and colleges.

Course Emphasis

The course places more emphasis upon financial management than upon cost accounting or auditing.

Student Salaries

A salary survey conducted in December 1976 showed CGA salaries both for the students and the graduates to be at a high professional level with average increases of 15% since the previous salary level survey was taken in 1974. This is indicative of the steady and increasing demand for accountants with a broad educational background who have more versatility than those specializing in a narrower field. The average salary reported by CGA members in 1976 was \$27,000.

Admission Requirements

The national minimum entrance requirement is year 4 (grade 12) or equivalent. Applicants must have a knowledge of algebra or enrol for a CGA correspondence program in preparatory mathematics. Approximately 50% of those entering the course do so after having graduated from university or college. Students of the CGA program may select the type of business in which to be employed and gain their practical experience. The choice is entirely theirs. All applicants must be residing in Canada.

Modular System

CGA has a modular system of study which enables students to vary their subject sequence to suit the demands of their employer and personal needs.

Also available is a cassette coaching program with pre-recorded study/review material. Examination reprints with comments and suggested solutions are also available.

Services

Undergraduates and members participate in and benefit from very active local chapter associations. CGA also operates a career counselling service, a research department, a comprehensive library, and provides its members with their own professional magazine and optional continuing education courses in supervisory techniques and management communications.

Further Information

For further information, please contact Registrar
The Certified General Accountants Association of Ontario
25 Adelaide Street East
Toronto, Ontario M5C 1Y6
Telephone (416) 366-6501
(collect calls accepted)

The Institute of Chartered Accountants of Ontario

Toronto

Executive Director: Thompson Merrilees

In recent years chartered accountancy has become one of the most rapidly expanding professions in Ontario. The demand for CAs in public practice, as well as in business, industry, government and education, reached such a high level that membership in the Institute more than doubled from 5,000 in 1962 to nearly 11,300 in 1976.

The chartered accountant is trained as a professional public accountant. As members of The Institute of Chartered Accountants of Ontario—the qualifying body under the Public Accountancy Act—they are eligible for a public accountant's licence. In addition, CAs may, after they have qualified, choose to leave public accounting and many hold senior positions in a variety of other fields.

The Institute, which was founded in 1879, trains and examines candidates for the profession and regulates the professional standards of its members and students. Only members of the Institute can call themselves chartered accountants and use the designation CA.

Student Body

In 1976 the Institute registered more than 1,100 new students—a record total which will most likely be exceeded in 1977. The student body totals 3,800 this year and it is anticipated that the Institute will have about 4,000 students in 1977.

The profession is also attracting an increasing number of female students, since accountancy is a field which offers equally rewarding careers to men and women.

Admission Requirements

University graduation is the basic admission requirement to the program of study leading to the CA designation.

Students must register with the Institute and obtain employment in the office of a practicing chartered accountant to start three years of practical experience. They must also complete, at a designated university, the 45 semester hours of business and related subjects specified by the Institute.

If students have taken any of the specified courses as part of any undergraduate or graduate program, they will be granted advanced standing in that subject and will not be required to repeat the work.

Exceptional students may qualify for a reduced practical experience requirement, from three to two years. Details are available from the Institute.

After completion of the above program, students must complete the Institute's School of Accountancy, a four-week summer program covering special professional requirements not taught at universities, before they attempt the final examinations.

A conditional registration procedure will permit non-university graduates to register with the Institute and to take their university classes as part-time students while employed by a firm of chartered accountants, but they must complete their university degree in order to write the final examinations.

Co-operative Programs

There are two programs available at the University of Waterloo. One enables students to obtain an honours mathematics degree and CA membership in alternating work/study semesters. The other gives the student the opportunity of graduating from university with a maximum of two years of practical experience.

Wilfrid Laurier University offers a Business Administration program which alters the work/study semesters and, after the completion of two years, is equivalent to one year of practical experience.

Further information for these programs may be obtained from:

Mr. Robert Pyatt
Coordinator
Waterloo Co-operative (Mathematics)
University of Waterloo
Waterloo, Ontario N2L 3G1
Telephone (519) 885-1211

University of Waterloo
Faculty of Economics
Waterloo, Ontario N2L 3G1
Telephone (519) 885-1211

Office of Co-operative Education
Wilfrid Laurier University
75 University Avenue West
Waterloo, Ontario N2L 3C5
Telephone (519) 884-1970

Deadline for Registration

Students register with the Institute as soon as they are employed by a practicing firm. Applicants must also comply with the university registration dates for extramural students enrolling in degree courses. Details should be obtained from the university chosen by the applicant.

Fees

Students can obtain information about university course fees directly from the university of their choice.

In addition, students must pay the Institute's registration fee of \$40 when they enter the program, plus an annual fee of \$65. The fee for the Ontario Institute School of Accountancy is \$400 and the final examination fee is \$240.

Student Salaries

Chartered accountancy students are full-time employees of practicing firms. The salaries paid to them are fully competitive with salaries which may be offered in any other positions open to them.

Further Inquiries

For further information, please contact
Director of Education
The Institute of Chartered Accountants of Ontario
69 Bloor Street East
Toronto, Ontario M4W 1B3
Telephone (416) 962-1841

The Society of Management Accountants of Ontario

(formerly The Society of Industrial Accountants of Ontario)

Executive Director: E. W. Scott, R.I.A.

The Society of Management Accountants of Ontario, a non-profit organization, was created in 1921 to prepare men and women for the profession of Management Accounting.

The Society has developed a comprehensive curriculum going far beyond conventional accounting course work, because experience indicated that Management Accountants need a broad knowledge of the business and/or government environment to serve effectively in the expanding role of accountancy today.

S.M.A. was incorporated in Ontario in 1941. The Ontario Society is one of 10 affiliates of the Society of Management Accountants of Canada, through which the nationwide educational programs are administered.

Of the 40 chapters in operation across Canada, 24 are located in Ontario. Each holds monthly meetings of major interest to those involved in the management accounting profession.

Enrolment 1977-78

Ontario 8,500

The R I A Management Accountant's Course

The Society's professional education course is the only program which specializes in the field of industrial and management accounting. It leads to a nationally recognized designation, the RIA (Registered Industrial Accountant), upon completion of a five-level study program.

The RIA course teaches the concepts and techniques of management accounting, including related subjects in law, statistics and business management and other relevant areas of financial management and control.

The course and its examination procedures are uniform in all Canadian provinces. This means that a student who moves from one province to another may continue studies without interruption. In Ontario the RIA evening lecture course is conducted at nine universities and 18 community colleges in co-operation with the Society.

Universities

Brock, Carleton, Lakehead, Laurentian, McMaster, Toronto (Erindale, St. George and Scarborough Campuses), Western, Windsor and York.

Community Colleges

Algonquin, Cambrian, Canadore, Conestoga, Confederation, Durham, Georgian, Lambton, Loyalist, Mohawk, Northern, St. Lawrence, Sault, Seneca, Sir Sandford Fleming and St. Clair.

The RIA course is also available by correspondence.

Admission Requirements

Year 4 graduation is the usual academic minimum for admission to the first level of the RIA program. However, students with post-secondary standing in equivalent subjects may enter at an advanced stage.

Applications for enrolment may be considered from mature students who might not otherwise qualify for admission.

Specific course exemptions are granted on the basis of individual application, to the provincial society in whose jurisdiction the applicant resides. The basic criterion for an exemption is the quality of the candidate's performance in equivalent courses studied at other recognized educational institutions (ordinarily granted on the basis of grades earned on formal examinations).

Graduates of other professional associations, universities and colleges, particularly of business and accounting programs, are usually eligible for several exemptions. The modular structure of the RIA program permits maximum flexibility in the granting of exemptions.

Student Salaries

Salaries range upwards to \$18,000 for fifth level students.

Other Services

The Society recognizes three classes of membership: registered, general and student. Anyone taking the RIA course automatically becomes a student member, and as such, can take advantage of the many services provided to assist students. At the national office in Hamilton, a comprehensive library and research facility is maintained. A bi-monthly magazine, *Cost and Management*, carries articles written by experts in their fields to cover all aspects of accountancy.

The S.M.A. also offers a comprehensive post-graduate program and an employment referral service to assist all members.

Further Inquiries

For further information please contact Registrar

Society of Management Accountants of Ontario

25 Adelaide Street East, Room 617

Toronto, Ontario M5C 1Y2

Telephone (416) 363-8191

or

Registrar

Society of Management Accountants of Ontario

154 Main Street East

P.O. Box 1976, MPO

Hamilton, Ontario L8N 3C3

Telephone (416) 525-4100

Centralia College of Agricultural Technology

Huron Park

Principal: J. A. MacDonald

Centralia College is located 25 miles north of London in the Huron Industrial Park which was formerly the Canadian Forces Base, Centralia. The college opened in October 1967 and offers two-year diploma courses in agricultural business management, animal health technology, food service management and community home economics.

Enrolment 1976-77

Total 300

*Programs Offered

Two-year courses from September to April each year.

Agricultural Business Management

This course is primarily designed to assist rural youth to become successful farm operators. The educational program is also designed to enable graduates to take related positions with commercial companies, in government service, as commercial farm managers, etc. Emphasis is placed on business management throughout the course of study. A full-year farm analysis project gives students extensive practical experience in real farm situations while they are still enrolled at the college.

Animal Health Technology

The course is designed to provide trained technical personnel to perform necessary tests to assist veterinarians in accurate diagnosis and efficient treatment of animal disease in both food and companion animals. Graduates will be employed by large animal practitioners, small animal hospitals, government agencies and laboratories.

Application deadline no later than February 1st.

Food Service Management

This course is accredited by the Ontario Dietetic Association and graduates are eligible for immediate membership in the Canadian Food Service Supervisors Association. A combination of academic and practical subjects pertaining to food service management are taught to prepare students for challenging careers as supervisors or managers in the food service industry. Emphasis is placed upon management principles and production techniques related to the hospitality and institutional environments. The rapidly expanding hotel and restaurant industry, as well as hospitals and other health care facilities and educational institutions, require graduates who are knowledgeable in the organization and function of food service. Graduates are qualified to work as food service supervisors in hospitals and other health care institutions.

Community Home Economics

This is a general course in home economics, with emphasis on family and consumer studies. Graduates will be able to work as home economics technicians in public and private health care and social service agencies, as paraprofessionals in educational institutions, as technicians in consumer information bureaux, government departments and in agencies overseas.

Admission Requirements

All courses require an Ontario Secondary School Graduation Diploma (27 credits). Older students are assessed on an individual basis. It is recommended that candidates for animal health and food service management have taken chemistry and mathematics at least to year 4 level.

Facilities

Accommodation is provided in residences on campus. Extensive recreational facilities contribute to the enjoyment and development of the students. There is an artificial ice arena as well as bowling lanes, a gymnasium, track and ball diamond.

Fees

Tuition \$240 per year

Room and meals \$19 per week (includes nine meals). Additional meals are provided at reasonable charge.

Total cost per year including tuition, residence, meals and books is approximately \$1,000.

Student Awards

A number of bursaries, scholarships and other financial awards are available from various organizations and municipalities. Students may also be eligible for assistance from the Ontario Student Assistance Program.

Further Information

For further information, please contact Principal

Centralia College of Agricultural Technology

Huron Park, Ontario N0M 1Y0

Telephone (519) 228-6691

Kemptville College of Agricultural Technology

Kemptville

Principal: John D. Curtis

Post-secondary courses leading to diplomas in agriculture and food and fashion are offered at the Kemptville College of Agricultural Technology. This residential, co-educational college was founded as the Kemptville Agricultural School in 1917.

Adjacent to the town of Kemptville, 30 miles from Ottawa, the campus occupies part of some 800 acres of college property. Experimental plots, orchards, gardens and a dairy herd provide facilities for study research and demonstration.

Enrolment 1976-77
Total 250

Admission Requirements

The Ontario Secondary School Graduation Diploma or equivalent is required for admission to the courses leading to a diploma in agriculture, food and fashion or food service supervision.

A student who has completed, at the secondary or post-secondary level, the equivalent of a course offered by the college, may request advanced standing in that subject.

An applicant unable to meet the above academic requirements for admission may submit an application as a mature student. Such application should include all pertinent information which will justify special consideration.

*Diploma Courses Offered

Agriculture

Four semesters are usually required to cover the diploma curriculum. A beginning student may register for either of the two junior semesters. It is not necessary to proceed directly from one semester to the next, and the choice of taking one or two semesters per year is open to the student. Semesters begin in September and January. Mature students may register for credit as full-time students, or as part-time students, taking individual subjects.

Food and Fashion or Food Service Supervision

Four semesters are usually required to cover the diploma curriculum. The objective of the course is to prepare students for entry into the food service and/or fashion industry in a management capacity. A beginning student may register for either of the two junior semesters. It is not necessary to proceed directly from one semester to the next, but the choice of taking one or two semesters per year is open to the student. Semesters begin in September and January. Mature students may register for credit either for the entire course or for individual subjects.

Residential Life

The Kemptville College of Agricultural Technology will provide accommodation for full-time students wishing to live on campus.

Bell Hall, the larger of the two residences, provides accommodation for 200 students in double rooms. In addition, there is a large recreation area equipped with stereo and colour television. Each floor is provided with lounges.

The Women's Residence accommodates 68 students in double rooms. There is also an attractive lounge, a reading room, hobby room, TV room, kitchen and laundry facilities. Food and clothing labs are also in this building.

Student Awards

A number of bursaries presented by charitable organizations, municipalities, and individuals are available to deserving students. Special awards, scholarships and prizes, amounting to several thousands of dollars are generously donated by benefactors. Students may also apply for loan-grant assistance from the Ontario Student Assistance Program. For details, see the introductory section on financial assistance for students.

Fees

Tuition (per semester) \$120
Rooms and meals, student activity fees, books, and miscellaneous expenses bring the total to about \$575 per semester.

Further Information

Inquiries should be addressed to
Registrar
Kemptville College of Agricultural Technology
Kemptville, Ontario K0G 1J0
Telephone (613) 258-3411 ext. 237

New Liskeard College of Agricultural Technology

New Liskeard

Principal: J.D. Butler

The college was established in 1967 to provide technical agricultural education to the people of northern Ontario considering a vocation in farming and associated fields. The campus is located within the town of New Liskeard, District of Temiskaming, 100 miles north of North Bay. The college is situated at the southern tip of the Little Clay Belt, an important farming area of northern Ontario.

Modern educational and demonstrational facilities consist of a 480-acre farm site and a new educational building housing laboratories, shops, classrooms, arena, library and other related facilities. A year-round farming program is maintained to provide instructional material and to carry out applied research projects.

Enrolment 1976-77
Total 71

*Diploma Courses

A two-year course of four terms starting in late September and ending in April. Teaching methods include lectures, laboratory periods, practical projects, seminars and special management presentations.

Options are available in agricultural technology, farming technology and equine technology. Each option leads to a two-year diploma in agriculture.

Admission Requirements

Ontario year 4 or the equivalent is most desirable with emphasis on mathematics, chemistry and other science courses. Applicants over 18 years of age and having less than year 4 standing will be considered on the basis of their experience and academic standing.

Student Accommodation

Students may arrange accommodation in private homes throughout New Liskeard and in farm homes close to the college.

Further Inquiries

Inquiries should be addressed to
Principal
New Liskeard College of Agricultural Technology
New Liskeard, Ontario P0J 1P0
Telephone (705) 647-6701

Ridgetown College of Agricultural Technology

Ridgetown

Principal: W.W. Snow

Ridgetown is midway between London and Windsor, 20 miles from Chatham, in the centre of the prosperous farm area of western Ontario.

The college was established as the Western Ontario Agricultural School in 1951. It has modern facilities for agricultural teaching which include laboratories, a library, greenhouses, livestock and agronomy buildings and student residence buildings. There is a college farm of 450 acres for demonstration and research purposes.

Enrolment 1976-77
Total 250

*Courses Offered

The academic year at Ridgetown is divided into three terms per year and the programs are two years in length. Terms begin in September, November and February and each term is a prerequisite for the next.

Agricultural Production and Management
This program is designed to provide training both for careers in the business of farming and for positions in the expanding agricultural industry. The course consists of a basic core of subjects plus electives. Through selection of electives the students may direct their area of emphasis toward their chosen career.

Agricultural Laboratory Technology
This program is designed to train students in fundamental laboratory principles and techniques and their application in the agriculture and food industry. It consists of basic subjects but then emphasizes the laboratory aspects of agriculture. Employment opportunities exist in research, testing and quality control in connection with food processing, meat and milk products, agricultural chemicals, fertilizers, feeds and seeds.

Agricultural Business and Commerce
This program began in 1971 and trains people in the provision of clerical and stenographic services as they apply to farm business. The program concentrates on the record keeping aspects of today's farms, using a basic core of subjects necessary to understand the operations of most farm businesses.

Admission Requirements

Applicants should have successfully completed Ontario year 4 or its equivalent. Mature students with less than year 4 standing will be considered on individual merit.

Student Awards

A number of bursaries and scholarships, ranging from \$50 to \$150 each, are awarded annually to students requiring financial assistance. In addition, almost \$3,000 is made available by special county awards, service club donations, memorial and scholastic awards and prizes. Students may also apply for loan-grant assistance from the Ontario Student Assistance Program. See introductory section on financial assistance to students.

Residence Accommodation

Students live on campus in Steckley Hall. The rooms, each accommodating two students, are equipped with clothes closets and comfortable furnishings, including combination dresser-desks. Accommodation is available for both men and women.

Recreation

Students participate in hockey, basketball, volleyball, curling, bowling, skating, billiards and table tennis. A student executive operates a coffee house on campus.

Fees

Tuition is \$240 per year divided as follows: \$80 per term (three-term year). Room and nine meals per week, student activities, fees, books, tuition and miscellaneous expenses amount to \$928 per year. Weekend meals are available at a reduced cost.

Tuition fees for other than those with Canadian citizenship or landed immigrant status are \$480 per year.

Further Inquiries

Please address further inquiries to Principal
Ridgetown College of Agricultural Technology
Ridgetown, Ontario N0P 2C0
Telephone (519) 674-5456

The Niagara Parks Commission School of Horticulture

Niagara Falls

Superintendent: Charles H. Henning

The Niagara Parks Commission School of Horticulture was established in 1936 as a training school for apprentice gardeners. Situated about five miles north of Niagara Falls, its facilities include a herbarium, a library, a residence building, a biology and chemistry laboratory, a frameyard, a potting shed and two greenhouses.

The grounds consist of 100 acres, most of which are intensely planted and developed and are open for the enjoyment of the public.

The program allows each student to acquire practical knowledge, skill and training in general horticulture including botany, arboriculture, floriculture and landscape art.

Graduates of the school may obtain employment with the Niagara Parks Commission, or with commercial establishments, other parks, educational institutions, universities or botanical gardens.

Enrolment 1977-78
Total 36 (12 per year)

Admission Requirements

A minimum of year 4 or its equivalent is required with credits in the following subjects: year 4 English, year 4 chemistry or physics, year 4 mathematics, algebra and geometry. Preference will be given to those applicants who have received their secondary school graduation diploma through the four or five-year stream of the arts and science program.

Previous experience in gardening or some closely related field is essential. The extent and nature of candidates' practical experience can be factors that have an important bearing on deciding their selection for admission.

A candidate for admission must be a Canadian citizen, 18 years of age, physically fit, have a good personality and interest, and give promise of leadership in the field of horticulture. All applications must be received by the end of June for admission to the school the following April.

*Courses Offered

A three-year diploma program in horticulture. The school year begins the first week of April. Courses include a wide variety of horticultural mechanization, botany, greenhouse and nursery production, weed control, plant diseases and greenhouse management. English and mathematics are also specified, in addition to manual gardening operations.

Fees

Tuition fees for lectures and practical training for the three-year course total \$1,500. In addition, a deposit of \$100 must be paid by each applicant. If students complete their training and are granted a diploma, their deposit—less any charges for breakages or loss of equipment—will be returned.

Residence Accommodation

Accommodation for two years is provided free of charge in the school residence. Third year students live off campus. The residence building contains double rooms for students. Showers, clothes closets and individual lockers are integral parts of the living quarters. A reading room, dining room, kitchen and staff quarters are also located in this building.

Student Financial Allowance

A weekly subsistence allowance which increases annually according to a staged scale, is provided for students at the school. The allowance is to permit them to meet their ordinary financial obligations during the period of their training.

Further Information

Please write to
Admissions
School of Horticulture
The Niagara Parks Commission
P.O. Box 150
Niagara Falls, Ontario L2E 6V5
Telephone (416) 356-8554

Canadian Memorial Chiropractic College

Toronto

President: D.C. Sutherland, D.C.

Chiropractic is a system of healing which holds that some diseases are a result of lack of normal nerve function and that this deficiency can be corrected by the manipulation and adjustment of body structure—especially the muscles and the spinal column.

Founded in 1945, the college is a non-profit, professionally-owned institution of higher learning providing modern facilities including classrooms, laboratories, an auditorium, a dissecting room, a clinic, x-ray department and instructional x-ray facilities. The course of study covers four years of approximately 5,200 hours including basic science, chiropractic education and practical clinic training. The program leads to graduation as a Doctor of Chiropractic.

Enrolment 1977-78

Full-time 536

Admission Requirements

A candidate for admission must have completed Ontario year 5 or have the equivalent standing as determined by the Ontario Ministry of Education. In addition, one year of university standing with credits in biology, chemistry and psychology is required. Applicants in doubt as to their qualifications are advised to submit their references and academic records to the registrar for evaluation and consideration.

Student Assistance

Several admission scholarships, bursaries and in-course awards are available. Further information may be obtained from the college calendar or the registrar.

Ontario students may also be eligible for assistance on the basis of assessed need under the terms of the Ontario Student Assistance Program. Students from other Canadian provinces should contact their provincial government for information on financial aid.

Residence Accommodation

While the college does not maintain residence accommodation, a housing service is available through the office of the registrar. Approximately 40 positions each year can be obtained at the student residences at the nearby Glendon College. Applications must be made early.

Tuition Fees

1977-78: \$1,500 per year
Tuition fees for students outside of Canada and students from Quebec are \$2,000 per year. A registration fee of \$50 is required of all new students.

Further Inquiries

For further information, please contact
Registrar
Canadian Memorial Chiropractic College
1900 Bayview Avenue
Toronto, Ontario M4G 3E6
Telephone (416) 482-2340

Nursing Assistant Program

The nursing assistant program prepares the graduate to give nursing care to selected patients whose needs are stabilized, and to assist the registered nurse in the provision of care to individuals whose conditions are not stabilized. The registered nursing assistant performs his or her functions under the supervision of the registered nurse.

Programs are offered under four different auspices in Ontario. Nursing assistant programs may be taken at colleges of applied arts and technology, regional nursing assistant centres, hospitals and some high schools. Upon successful completion of any of these programs the student is eligible for admission to the examination conducted by the College of Nurses of Ontario for registration and certification of nursing assistants in Ontario.

In all nursing assistant programs, planned clinical experience in hospitals and in community settings is an inherent part of the program and is supervised by teachers of the program. The programs, except for those in high schools, are generally 35 weeks in length.

Colleges of Applied Arts and Technology

Programs in community colleges normally require completion of year 4 (grade 12) or the equivalent, or mature student status, that is, 19 years of age or older. Exceptions to the normal admission requirements are noted in parentheses.

Orillia and Owen Sound: Georgian College*
(grade 10)
Belleville: Loyalist College
Brockville: St. Lawrence College* (grade 10)
Kingston: St. Lawrence College (grade 10)
Guelph: Conestoga College* (grade 10)
St. Thomas: Fanshawe College*
North Bay: Canadore College (grade 10)
Oshawa: Durham College
Rexdale (Toronto): Humber College
South Porcupine: Northern College
(grade 10)
Windsor: St. Clair College

*Part-time programs available.

Regional Nursing Assistant Centres

Nursing assistant programs at regional centres admit students with a minimum of year 2 (grade 10) or the equivalent. The programs offered at the following regional centres are administered centrally by the Ministry of Colleges and Universities.

Hamilton: Regional Nursing Assistant School
31 Walnut Street South, L8N 2K9
Telephone (416) 529-1187

London: Regional Nursing Assistant School
205 York Street, 2nd Floor, N6A 1B4
Telephone (519) 432-7506

Sudbury: Regional Nursing Assistant School
699 Frood Road, CKNC Building, P3C5A3
Telephone (705) 674-3151

Thunder Bay: Regional Nursing Assistant School
1111 Victoria Avenue, 2nd Floor, P7C 1B7
Telephone (807) 475-1615

Toronto: Regional Nursing Assistant School
360 Christie Street, M6G 3C2
Telephone (416) 965-2131
(Day and evening programs)

Hospitals

Hospitals generally admit students with a minimum of year 2 (grade 10) or the equivalent. Exceptions are noted in parentheses.

Brantford: St. Joseph's Hospital
Collingwood: McEachern Training Centre—
Collingwood General and Marine Hospital
Cornwall: Cornwall General Hospital
(grade 12 preferred)
Elliot Lake: St. Joseph's General Hospital
(grade 12 preferred)
Fort Frances: La Verendrye Hospital
Kenora: Lake of the Woods District Hospital
(grade 12 preferred)
Lindsay: Ross Memorial Hospital
Ottawa: Ottawa Civic Hospital (grade 12)
Ottawa: St. Vincent Hospital—French and
English (grade 11)
Scarborough (Toronto): Scarborough
General Hospital (grade 12 preferred)
Sturgeon Falls: St. Jean de Brebeuf Hospital
in French; (17 years of age—grade 12,
over 17 years—grade 10)
Willowdale (Toronto): Bethesda Training
Centre (North York General Hospital)
Wingham: Wingham and District Hospital

High Schools

The following high schools offer nursing assistant programs in years 3 and 4 (grades 11 and 12). These programs are taken concurrently with other high school courses.
Listowel: Listowel District Secondary School
London: H.B. Beal Secondary School
Newmarket: Huron Heights Secondary School
Peterborough: Kenner Collegiate Vocational Institute
Toronto: Central Technical School

Financial Assistance

Student nursing assistants at colleges of applied arts and technology and at the five regional nursing assistant schools administered by the Ministry of Colleges and Universities are eligible to apply for assistance from the Ontario Student Assistance Program. Assistance under the Ontario Student Loans Plan is available to nursing assistant students at approved hospitals. For further information on these government assistance programs, see the introductory section in *Horizons* "Financial Assistance."

Further Information

For further information on nursing assistant programs, contact the institution offering the program of your choice.

Medical Laboratory Technology

Canadian Society of Laboratory Technologists

Schools of medical laboratory technology were formally established in 1938 as a result of the formation of the Canadian Society of Laboratory Technologists and a special committee of the Canadian Medical Association studying training programs for medical laboratory technologists.

The minimum period which may be approved for training is 20 months, but programs in the various centres may range from 20 to 24 months. There are two types of programs available, the one-phase type of program and the two-phase type.

The one-phase program is that in which the entire course of training is received in an approved hospital laboratory.

The two-phase program is that in which the first year of the program is taken in a regional school of medical laboratory technology, community college or institute of technology, and the second phase is taken in an approved hospital laboratory associated with the school. Regional schools of medical technology engaged in the two-phase type of program were first established in 1961, concurrent with the extensions in the training periods and the certification programs of the CSLT.

Classes usually begin early in the fall and students planning on entering one of the courses are advised to make application several months in advance. Initial application must be made to the approved hospital laboratory in which the student intends to receive training.

Upon successful completion of either type of training program the student may be eligible to sit for the certification examinations of the CSLT for registration in Canada (R.T.). Students who have successfully completed the requirements for initial certification and registration may immediately proceed toward qualifying themselves by further training and experience for advanced certification (A.R.T.), either in general laboratory technology or in one specific discipline of laboratory technology. To assist technologists in qualifying for advanced certification, various types of advanced courses have been developed in certain centres.

Admission Requirements for Training and Initial Certification

Ontario year 5 level which must include chemistry, a second science and mathematics at this level.

Fees

Fees are determined by the specific institutions involved.

Further Information

A complete listing of the approved hospital laboratories and details regarding the requirements for training and subsequent certification and registration are available from The Canadian Society of Laboratory Technologists
P.O. Box 830
Hamilton, Ontario L8N 3N8
Telephone (416) 528-8642

Radiological Technology

Canadian Society of Radiological Technicians

A student who intends to seek a career in the paramedical field and is interested in the application of ionizing radiation as a means of diagnosis and therapy, has a choice of three disciplines, Diagnostic Radiography, Radiotherapy and Nuclear Medicine.

The training course for any of these disciplines consists of a 24-month period under the direct supervision of a qualified radiologist and a registered radiological technologist and is given in an accredited training centre in accordance with the syllabus of the Canadian Society of Radiological Technicians. In Ontario, the didactic portion of the training period is conducted in centralized schools or community colleges while the practical training is taught and experience gained in individual approved hospitals.

On completion of training, the student may write the certification examinations conducted by the Canadian Society of Radiological Technicians. In Ontario, the certifying body is the Board of Radiological Technicians which, in fact, accepts the CSRT examination as the qualifying examination. The CSRT certification is accepted anywhere in Canada and in many other countries, including Great Britain, Australia, Holland, Switzerland and the U.S.A.

The Ontario Society of Radiological Technologists offers two \$150 scholarships annually. Financial assistance may also be available from other sources including the Ontario Student Assistance Program (see the introductory section on financial assistance to students).

Admission Requirements

The prospective applicant must be the holder of an Ontario Secondary School Graduation Diploma with at least 27 credits. Of those, the following specific credits are required:

- 1) two mathematics credits taken at the advanced level from years 3 and/or 4;
- 2) two language credits, either English or French, at the general or advanced level taken from years 3 and/or 4;
- 3) a) for radiography and radiotherapy: four science credits taken at either the general or the advanced level, one of which must be physics year 3 and/or 4;
- b) for nuclear medicine: four science credits taken at either the general or advanced level, two of which must be chemistry and physics years 3 and/or 4.

Any credits submitted from other programs must be equivalent to the above as deemed by the Ministry of Education.

A person who is 19 years of age or over, and has been a resident in the province of Ontario for at least one year, and who has not been in full-time attendance at a secondary school for a period of at least one year may apply to the Ontario Society of Radiological Technologists for examination as a mature student.

Applicants must be in good health and have the maturity to work with sick and injured people.

Post-Graduate Course and Qualifications

To assist technologists in furthering their technical knowledge and their ability, various post-graduate courses are available through centralized schools and community colleges, which award credits on successful completion toward advanced certification and licensure in Ontario and the fellowship qualification of the CSRT.

Tuition Fees

Tuition fees are set by the individual institutions. Further information on fees can be obtained from the specific institutions.

Further Information

For further information please contact
Student Qualifications Chairmen
Ontario Society of Radiological
Technologists
P.O. Box 1054
Brantford, Ontario N3T 5S7
Telephone (519) 753-6037

Toronto Institute of Medical Technology

Toronto

Executive Director: Dr. D.M. Schatz

The Toronto Institute of Medical Technology is a specialized post-secondary educational institution offering programs in various health technologies. From its beginning in 1966, with one program and 16 affiliated teaching hospitals, it has grown to include six full-time programs and more than 40 affiliated hospitals. It also has a large Extension Division which offers post-graduate courses for working technologists. Further expansion may be anticipated, both in the content of existing programs and through the development of new programs, to meet the growing needs of medical technology.

Each full-time program is actively supervised by an Advisory Council, which consists of medical specialists and technologists from affiliated hospitals, Institute teaching staff and student representatives. It is the responsibility of the Advisory Councils to ensure that the programs meet the needs of health care and provide the basis for advanced study. Similarly, Advisory Committees in each specialty assist the Extension Division to identify and meet the need for continuing education.

The Toronto Institute occupies a 16-storey building, opened in 1972, which is situated in downtown Toronto. Specialized laboratory design and modern equipment offer excellent facilities for training in the medical technologies.

A medical technologist should enjoy work of a technical nature and have an interest in sciences. Health workers must possess a sense of responsibility and be able to work carefully and accurately. The ability to work co-operatively with colleagues and to deal with patients effectively and sympathetically is important.

*Programs Offered

Medical Laboratory Assistant One-Year Certificate

This one-year program is designed to produce graduates capable of performing routine technical procedures under the supervision of registered laboratory technologists. Prior to the establishment of this program, medical laboratory assistants were trained on the job within the hospital environment, and did not possess any recognized qualifications. Recent increases in the scope and volume of investigations carried out by hospital laboratories have expanded the role of laboratory assistants and created a need for formal training.

Educational Entrance Requirements

The requirements for admission to the medical laboratory assistant training program are: Ontario Secondary School Graduation Diploma (grade 12) with two mathematics, chemistry and one other science at the year 3 or year 4 level.

Students from outside Ontario must have the equivalent educational standing.

Cytotechnology Two-Year Diploma

The cytotechnologist is responsible for preparation of the various specimens submitted to the laboratory and for careful microscopic examination of the material for cellular changes and abnormal cells. The work is supervised by pathologists, either in a hospital laboratory or in a centralized screening centre. While many of the duties are routine they offer great personal satisfaction. Cytology is a specialized diagnostic service, which is seldom of an emergency nature, therefore most cytotechnologists work a five day week and generally do not work evenings or weekends.

Educational Entrance Requirements

The requirements for admission to the R.T. program in cytotechnology are: Ontario Secondary School Honour Graduation Diploma (grade 13) which must include pass standing in mathematics, chemistry and one of biology or physics. Students who intend to enter the cytotechnology program are advised to take biology as the second science. Students with an Ontario Secondary School Graduation Diploma (grade 12) who have completed an appropriate first year in a college of applied arts and technology, including mathematics, chemistry and one other science, may apply for equivalent standing.

Students from outside Ontario must have the equivalent educational standing.

Diagnostic Radiography Two-Year Diploma

The two-year training program is organized jointly by the Toronto Institute of Medical Technology and the affiliated teaching hospitals. An orientation period in a hospital is followed by further training in theory and practice at the Toronto Institute. The student spends a considerable portion of his two years obtaining clinical education in an affiliated hospital.

Educational Entrance Requirements

The requirements for admission to the R.T. program in diagnostic radiography are as follows:

Ontario Secondary School Graduation Diploma (grade 12) with at least 27 credits, which must include: two mathematics credits taken at the advanced level from year 3 or year 4; two language credits in either English or French from year 3 or year 4; four science credits, one of which must be physics year 3. *Note:* This program commences in July.

Students from outside Ontario must have the equivalent educational standing.

Mature Students

A candidate who does not meet the above educational requirements, but who is 19 years of age or over and has resided in Ontario for at least one year, must apply to write the Mature Student examination. If successful the candidate may then apply to enter the program.

Medical Laboratory Technology Two-Year Diploma

The current rapid advances in technological knowledge make laboratory technology, one of the oldest established medical technologies, an interesting and challenging career. A laboratory technologist is an important part of the health team because physicians have come to depend on the results of laboratory tests to aid them in the diagnosis of disease.

and in selection of appropriate treatment. In fact, the practice of modern medicine would be impossible without the facilities of the laboratory. Medical laboratory technology is divided into five major specialties: clinical chemistry, haematology, histotechnology, immunohaematology, and microbiology.

Educational Entrance Requirements

The requirements for admission to the R.T. program in medical laboratory technology are: Ontario Secondary School Honour Graduation Diploma (grade 13) which must include mathematics, chemistry and one of biology or physics. Students who intend to enter the medical laboratory technology program are advised to take biology as the second science. Any of the three proposed mathematics courses for secondary schools will be acceptable; however, the most appropriate course is mathematics I, dealing with functions and relations.

Students with an Ontario Secondary School Graduation Diploma (grade 12) who have completed an appropriate first year in a college of applied arts and technology, including mathematics, chemistry and one other science, may apply for equivalent standing.

Students from outside Ontario must have the equivalent educational standing.

Nuclear Medicine Technology

Two-Year Diploma

The nuclear medicine technologist is responsible for the safe and accurate performance of diagnostic tests involving the use of radio-nuclides. These tests may be divided into two categories: *in vitro* testing involves the use of radioactive chemicals to make analyses of specimens in a laboratory remote from the patient; *in vivo* testing involves the administration of radioactive materials to a patient, followed by specific testing to determine body function. Both types of testing provide answers which aid the physician in determining the nature and extent of disease, thereby helping him to decide on the proper treatment.

Educational Entrance Requirements

The requirements for admission to the R.T. program in nuclear medicine technology are: Ontario Secondary School Honour Graduation Diploma (grade 13) which must include the following credits in year 3, year 4 or year 5: two mathematics at the advanced level; two English; chemistry, physics, and two additional sciences. Students who have an Ontario Secondary School Graduation Diploma (grade 12) with the above credit requirements and who have completed an appropriate first year program in a college of applied arts and technology including mathematics and science may apply for equivalent standing.

Students from outside Ontario must have the equivalent educational standing.

Mature Students

A candidate who does not meet the above educational requirements, but who is 19 years of age or over and has resided in Ontario for at least one year, must apply to write the Mature Student examination. If successful the candidate may then apply to enter the program.

Respiratory Technology

Two-Year Diploma

The respiratory technologist is trained to assist the physician in the diagnosis, treatment, and management of patients with respiratory and associated disorders.

Training is carried out co-operatively by the Toronto Institute and affiliated hospitals. This program is covered in 20 months; 10 months of instruction at the Toronto Institute followed by 10 months of clinical education in an affiliated hospital.

During the first year of training, the student expands his knowledge of basic science in the areas of anatomy, physiology, chemistry, physics, pathophysiology and pharmacology. Practical training is co-ordinated with the theoretical part of the courses, during which the student learns how to use a wide variety of modern respiratory equipment. A period of three weeks is spent in the hospital setting to observe the clinical practice of respiratory technology.

The clinical year provides the student with practical training in an affiliated hospital. The student learns to perform techniques and procedures under actual working conditions.

Educational Entrance Requirements

The requirements for admission to the R.T. program in respiratory technology are: Ontario Secondary School Graduation Diploma (grade 12) with credits in English, mathematics, and chemistry at year 4 and physics at year 3.

Students from outside Ontario must have the equivalent educational standing.

Past experience has shown that it is advantageous for the student to have one additional year of secondary or post-secondary education including biology, chemistry and mathematics.

Tuition Fees

First year full-time \$325

Second year full-time \$250

Fees may be subject to change.

Accommodation

As the Toronto Institute has no residence, students are responsible for finding their own accommodation. Students from outside Toronto are advised to find accommodation close to the subway or close to the Institute itself, possibly in one of the student residences located in central Toronto. The Admissions Department will forward a list of possible residences on request.

Food Services

The Institute has cafeteria facilities which operate during the academic year, 0800 to 1430 hours, Monday to Friday. Students may purchase breakfast, light refreshments and a hot meal. Vending machine service is available at other times.

Health Service

The Health Service is staffed by a public health nurse, who offers emergency first aid and a preventive medicine program. The nurse is available for confidential counselling on all types of health problems.

Placement Service

A placement service is offered to assist graduates in finding employment. Any student who requires assistance in finding employment should register with the placement service.

Financial Assistance

Students in financial need may apply for assistance from a variety of sources. Further information may be obtained from the Registrar's Office.

Further Inquiries

Further information may be obtained by contacting

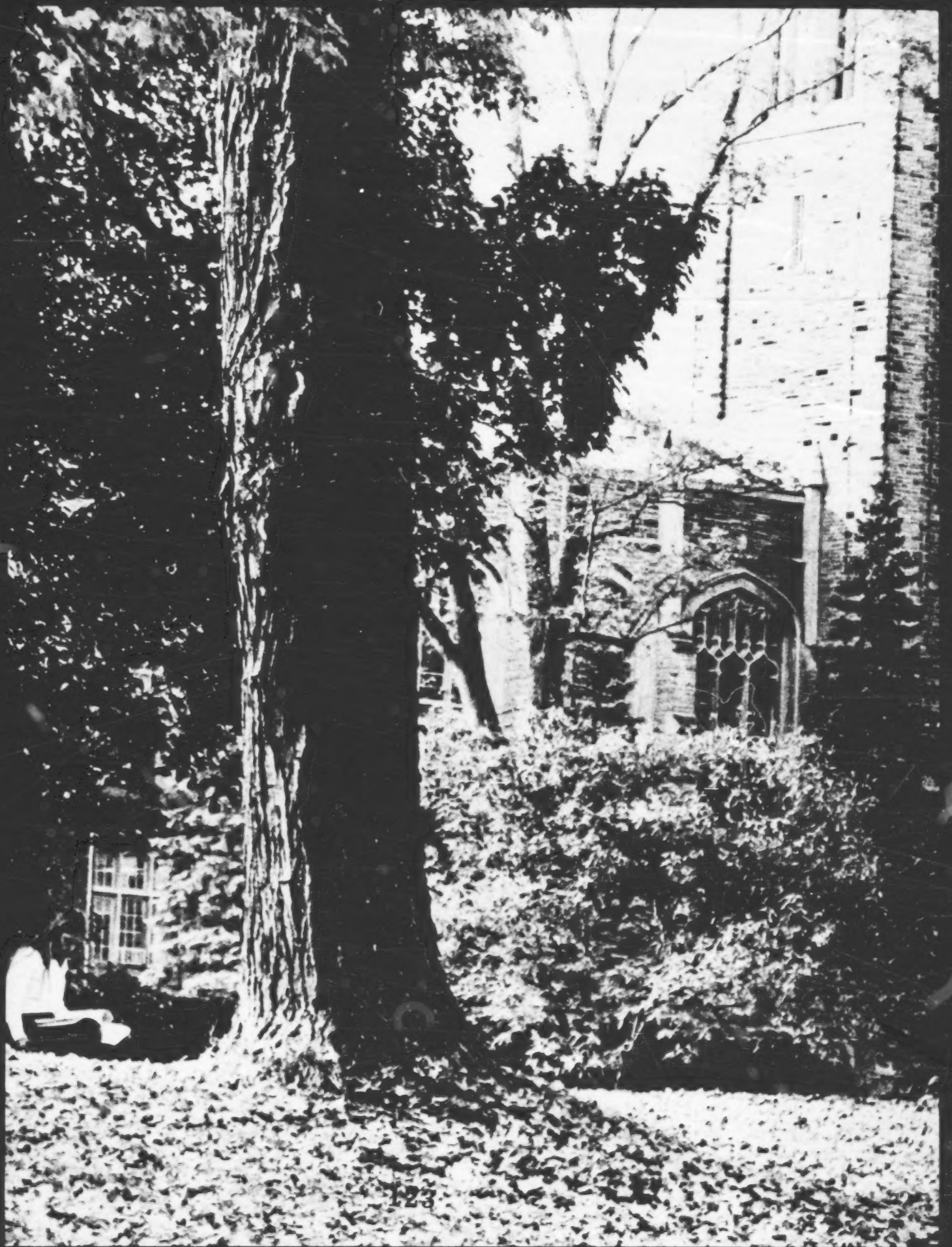
The Admissions Office

Toronto Institute of Medical Technology

222 St. Patrick Street

Toronto, Ontario M5T 1V4

Telephone (416) 596-3143



Registered Private Vocational Schools

In choosing an occupation or a profession, you must also choose the best educational institution which can suitably prepare you for the job market. University and community college training provides a very wide range of choice. However, in some fields, a different form of training may be desired. In many cases, private vocational schools in Ontario offer a suitable alternative.

Approximately one hundred and fifty private vocational schools in the province teach marketable skills to their students.

What are private vocational schools?

Private vocational schools are profit-making organizations which offer a variety of courses aimed at providing students with skills and practical knowledge necessary for employment in specific fields. Their major aim is to train students with the skills employers want. Unlike secondary school, university and college, they receive no subsidization from the provincial government. They operate as businesses designed to make a profit. The fees paid by students must therefore cover the costs of training—instructors' salaries, costs of administration, maintenance, advertising and equipment—and still leave a margin of profit.

What does "registered" mean?

Regulation of private vocational schools in eight of the Canadian provinces is the responsibility of the provincial government department of higher education.

In Ontario, private vocational schools are required to register with the Ministry of Colleges and Universities under the "Act to provide for the Regulation of Private Vocational Schools." Registration indicates that the vocational schools meet the minimum standards set out in the Act. Supervision under the Act covers the schools' financial operations, the accommodations used, as well as:

- 1) course of study, admission requirements, teacher qualifications, maximum fees charged for particular courses of instruction, and amounts charged as extras (materials and services) during the instruction period;
- 2) minimum number of hours of instruction, graduation requirements;
- 3) advertising material.

Registered schools are required to make application for re-registration each year. If schools have not maintained at least minimum standards, registration is refused and courses may no longer be given by that school.

Are private vocational schools what I am looking for?

Private vocational schools, because of their business and career orientation, may provide a more practical choice for post-secondary training if the student is sure of his or her area of specialization and is not looking for a sampling of different courses before making a decision.

The student may find that the private vocational school will provide a quick and direct means of training for employment. Private vocational schools offer training closely related to a particular kind of job. In overall time required for completion, courses are usually shorter than other post-secondary ones because of their concentration on teaching only job-related skills.

Private vocational schools also offer night school and correspondence courses for those who may already be employed, or do not wish to return to school full-time but want to take advantage of this direct approach to education and training in specific fields.

Fees

The fees charged for each course or for a particular program will be higher than those set by community colleges and universities because the private vocational schools receive no government subsidization. However, higher fees should not deter students from considering private vocational schools as alternatives. The overall amount of time required to complete a training program is often shorter, which means entry into the work force much sooner.

Fees are regulated under the Private Vocational Schools Act and are set out in the contract signed at the time of enrolment. The contract also sets out the regulations on the refunding procedure.

Private Career Education Council

This association of a number of private vocational schools, formed in 1973, has been recognized by the Ministry of Colleges and Universities as the official voice of the private vocational school industry in Ontario. Among the objectives of the PCEC are the maintenance of high educational and ethical standards within the industry, the dissemination of information on private vocational schools, and the promotion of the best interests of their students.

In the address section of the directory which follows, the designation "PCEC" denotes member schools.

Inquiries may be directed to
Private Career Education Council
P.O. Box 157
Agincourt, Ontario M1S 3B6

Further Information

Information regarding individual courses may be obtained from the appropriate school as listed in the following directory and address section. The Ministry of Colleges and Universities publishes a separate listing entitled *Directory of Private Vocational Schools* which may be obtained from Information Resources Branch Ministry of Colleges and Universities
Mowat Block, Queen's Park
Toronto, Ontario M7A 1B9
Telephone (416) 965-6134

Directory Lists

Key

Section 1 of this directory lists the courses available on a residence basis, full- or part-time.

Section 2 lists courses available by correspondence.

Section 3 lists the registered schools that offer the courses listed in the previous sections. The schools are listed in alphabetical order and are numbered sequentially for easy reference.

Should you be interested in either a residence or a correspondence course, turn to Section 1 or 2 respectively. The codes accompanying each course listing refer to the schools shown in Section 3 which offer that course.

An asterisk (*) in Sections 1 and 2 indicates that a course consists of a combination of residence and correspondence instruction. The residence portion is usually the last part of the course.

Section 1:

Residence

Courses	Schools	
Accounting	98, 101, 112	Electrician
Acting (Radio, Stage, T.V.)	123	Engineering, Civil
Advertising	29, 107	Engineering, Electrical 1
Air Conditioning and Refrigeration		Engineering, Electronic 1, 21
Aircraft Mechanics		Engineering, Mechanical
Announcing (Radio and T.V.)	15, 15*	Engineering, Structural
Appliance Servicing		Electrolysis 19, 24, 26, 129
Architectural Technology		Electronics 21, 104, 105
Art, Fine		Esthetician 24, 129
Art, Commercial		Export-Import 112
Aviation Training (Ground)	67	Farrier 11
Bank Teller		Fashion Commentating 123
Bar Training	4, 7, 120	Fashion Design 3, 28
Blueprint Reading	2, 64, 80	Fashion Merchandising 112
Bookkeeping	85, 87, 101, 108, 109, 110, 112, 116, 125	Floristry 18, 102, 121
Broadcasting (Radio and T.V.)	15, 15*	Haute Couture Techniques 28
Building Trades		Heating and Ventilation
Business Administration	87, 98, 101, 112, 125, 127	Hotel Operations 15, 107
Business Machines	112	Income Tax 23, 32, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 57, 58, 59, 60, 98, 118
Business Machines Service Technology	16	Interior Decorating
Clerical	30, 87, 92, 100, 108, 109, 112, 125, 127, 128	Investigation and Security 17
Computer Operator	16, 20	Journalism
Computer Programming	1, 16, 20, 62, 66	Management Accounting
Computer Technology	16, 20	Management Development 87, 98, 101, 125
Construction Specification Writing		Massage and Hydrotherapy 9, 119
Cosmetology	9, 129	Medical Office Assistant 15, 15*, 107
Court Reporting	105	Medical Office Practice 62
Customer Relations	76	Medical Records and Terminology 62
Data Entry Operator	16, 20, 62, 66, 77, 87, 125	Medical Transcription 62, 92, 112
Data Processing	16, 20, 62, 66	Millinery 3
Dental Office Assistant	15, 15*, 107	Modelling 3, 22, 25, 27, 34, 35, 69, 70, 71, 72, 73, 74, 75, 79, 86, 89, 90, 97, 103, 106, 111, 114, 117, 122, 123
Dicta Typing	112, 128	Motel Operation 15, 107
Diesel Engines		Motor Mechanics
Dog Breeder		Office Practice and Management 98, 112
Drafting	64	Paste-Up (Graphic Arts) 29
Dressmaking and Design	3, 28	

Pattern Drafting (Fashion)	3, 28
Photography	25, 123
Power Plant Engineering and Operation	
Receptionist	87, 108, 109, 125
Salesmanship	76, 83
Secretarial	30, 31, 37, 63, 77, 81, 87, 88, 92, 96, 100, 101, 108, 109, 112, 124, 125, 127, 128
Secretarial, Accelerated	31, 87, 125
Secretarial, Bilingual	78, 81, 116
Secretarial, Executive	31, 87, 98, 101, 112, 116, 125
Secretarial, Legal	31, 62, 87, 98, 101, 112, 116, 125, 128
Secretarial, Medical	31, 62, 87, 98, 101, 112, 116, 125
Sewing	3
Shorthand	112, 116, 128
Stationary Engineering	
Stenography	30, 87, 92, 100, 101, 108, 109, 112, 116, 125, 127, 128
Stenotype	105
Systems and Accounting (Computer)	16
Systems Analysis and Design	62
Telecommunications	
Television, Film Production	25
Television Servicing	21, 104
Textiles	3
Tractor Trailer Training	10*
Travel Counsellor	68, 87, 107, 125, 126*
Typing	29, 30, 87, 92, 100, 108, 109, 112, 116, 125, 127, 128
Typesetting	29
Upholstery	12, 99, 115
Welding	2, 8, 33, 64, 80, 84, 93
Window Display	61
Word Processing	16

Section 2:

Correspondence

Courses	Schools
Accounting	65, 82, 94
Acting (Radio, Stage, T.V.)	
Advertising	
Air Conditioning and Refrigeration	36, 65, 82, 91
Aircraft Mechanics	65
Announcing (Radio and T.V.)	15*, 95
Appliance Servicing	91
Architectural Technology	36, 65
Art, Fine	82
Art, Commercial	6, 82
Aviation Training (Ground)	91
Bank Teller	
Bar Training	
Blueprint Reading	36
Bookkeeping	113
Broadcasting (Radio and T.V.)	15, 15*, 95
Building Trades	36
Business Administration	65, 82, 94
Business Machines	
Business Machines Service Technology	
Clerical	
Computer Operator	
Computer Programming	62, 91
Computer Technology	91
Construction Specification Writing	5
Cosmetology	
Court Reporting	
Customer Relations	
Data Entry Operator	
Data Processing	36, 62, 91
Dental Office Assistant	15, 15*, 82
Dicta Typing	
Diesel Engines	82
Dog Breeder	14
Drafting	65, 82
Dressmaking and Design	
Electrician	36, 65

Engineering, Civil	65	Secretarial	82, 94
Engineering, Electrical	1, 65	Secretarial, Accelerated	
Engineering, Electronic	1, 65	Secretarial, Bilingual	
Engineering, Mechanical	65	Secretarial, Executive	65
Engineering, Structural	65	Secretarial, Legal	65
Electrolysis		Secretarial, Medical	62, 65
Electronics	36, 62, 65, 91	Sewing	
Esthetician	24	Shorthand	113
Export-Import	113	Stationary Engineering	36, 65, 113
Farrier		Stenography	
Fashion Commentating		Stenotype	82
Fashion Design		Systems and Accounting (Computer)	
Fashion Merchandising		Systems Analysis and Design	
Floristry		Telecommunications	36
Haute Couture Techniques		Television, Film Production	
Heating and Ventilation	36, 65	Television Servicing	65, 91
Hotel Operations	62, 65, 82	Textiles	
Income Tax	13, 56, 118	Tractor Trailer Training	10*
Interior Decorating	65, 82	Travel Counsellor	65, 126*
Investigation and Security		Typing	113
Journalism	82	Typesetting	
Management Accounting		Upholstery	
Management Development		Welding	
Massage and Hydrotherapy		Window Display	61
Medical Office Assistant	15, 15*	Word Processing	
Medical Office Practice	62		
Medical Records and Terminology	62		
Medical Transcription	62		
Millinery			
Modelling			
Motel Operation	62, 65, 82		
Motor Mechanics	36, 65, 91		
Office Practice and Management	65		
Paste-Up (Graphic Arts)			
Pattern Drafting (Fashion)			
Photography			
Power Plant Engineering and Operation	113		
Receptionist			
Salesmanship			

Section 3:

Schools

1. A. M. J. Electronic College
275 First Avenue
Ottawa K1S 2G7
Telephone: (613) 238-2800
Manager: Mr. A. M. Jotoff
PCEC
2. A.R.C. School of Welding
92 John Street North
Hamilton L8R 1H6
Telephone: (416) 525-2222
Manager: Mr. W. Proctor
PCEC
3. Academy of Fashion Limited
44 Eglinton Avenue West
Suite 303
Toronto M4R 1A1
Telephone: (416) 481-6124
Manager: Mr. S. Bodo
PCEC
4. Academy of Hotels, Inns, Restaurants
Employees
16 Jarvis Street
Hamilton L8R 1M2
Telephone: (416) 527-1571
Manager: Mr. J. J. Mueller
5. Architectural Technology and Building
Courses Inc.
2002 Ingledeale Road
Mississauga L5J 2H2
Telephone: (416) 822-4146
Manager: Mr. M. W. A. Jones
6. Art Instruction Schools, Inc.
53 Highcroft Road
Barrie L4N 2X6
Telephone: (705) 726-8351
Manager: Mr. G. Worrall
7. Bar Training Headquarters of Ontario
1166 Dundas Street West
Toronto M6J 1X4
Telephone: (416) 534-4912
Manager: Mr. A. D'Angelo
PCEC
8. Canada Welding Trade School
26 Balsam Avenue North
Hamilton L8L 6Y2
Telephone: (416) 544-1284
Manager: Mr. J. MacDonald
9. Canadian College of Massage and
Hydrotherapy
329 St. George Street
Toronto M5R 2R2
Telephone: (416) 923-6342
Manager: Mrs. E. Szasz
PCEC
10. Canadian Institute of Tractor Trailer
Training Limited
207 Queen's Quay West
Toronto M5J 1A7
Telephone: (416) 864-9381
Manager: Mr. R. King
PCEC
11. Canadian National School of
Horseshoeing
Main Street
Mount Albert
Telephone: (416) 852-6658
Manager: Mr. W. Down
12. Canadian School of Custom Upholstery
111 Tycos Drive
Toronto M6B 1W3
Telephone: (416) 781-6601
Manager: Mr. M. Lany
PCEC
13. Canadian School of Tax Accounting
150 Eglinton Avenue East
Toronto M4P 1E8
Telephone: (416) 486-9354
Manager: Mr. D. C. Smylie
14. Canine Consultants (Vocational School)
4981 Appleby Line
R.R. #6
Milton L9T 2T1
Telephone: (416) 878-6026
Manager: Mrs. C. Gardiner
15. Career Canada Limited
55 Queen Street East
Toronto M5C 1R6
Telephone: (416) 363-3721
Manager: Mr. J. M. McSweeney
PCEC
16. Career Learning Centres Incorporated
4881 Yonge Street
Willowdale M2N 5X3
Telephone: (416) 226-9111
Manager: Mr. M. J. Martyn
PCEC
17. Centurion School of Investigation and
Security
100 Sheppard Avenue West
Suite 305
Willowdale M2N 1M6
Telephone: (416) 226-4370
Manager: Mr. J. T. McGarry
18. Char-Ron School of Floral Design
25 King William Street
Hamilton L8R 1A1
Telephone: (416) 528-0141
Manager: Mr. R. Orme
19. Clark School of Electrolysis
91 Sheppard Avenue East
Willowdale M2N 3A3
Telephone: (416) 221-8804
Manager: Mrs. M. E. Clark
PCEC
20. Control Data Education Institute
50 Hallcrown Place
Willowdale M2J 1P7
Telephone: (416) 491-9191
Manager: Mr. A. T. Murray
PCEC
21. DeVry Institute of Technology of
Canada Ltd.
970 Lawrence Avenue West
Toronto M6A 1C5
Telephone: (416) 787-1663
Manager: Mr. P. J. Dykstra
PCEC
22. Dorie Limited School of Personal
Development and Modelling
100 City Centre Drive
Mississauga L5B 2C9
Telephone: (416) 275-9604
Manager: Ms. D. Wimmer
23. Eaton's Tax Service Limited
1235 Bay Street, 7th Floor
Toronto M5R 2A9
Telephone: (416) 928-0611
Manager: Mr. J. Maguire
24. Edith Serei Company Ltd.
145 Yonge Street
Toronto M5C 1W9
Telephone: (416) 366-7933
Manager: Ms. M. Lajtmán
25. Eleanor Fulcher Limited
667 Yonge Street
2nd Floor
Toronto M4Y 1Z9
Telephone: (416) 924-9633
Manager: Ms. E. Fulcher
PCEC
26. Electrolysis Educational Institute
33 Bloor Street East
Suite 208
Toronto M4W 1A9
Telephone: (416) 922-7343
Manager: Ms. V. F. A. Bellefeuille
27. Elen Henderson Finishing and Modelling
Agency Limited
1262 Don Mills Road
Suite 18-19
Don Mills M3B 2W7
Telephone: (416) 444-9571
Manager: Mrs. S. Cheatley
28. Ellen Paterson's School of Fashion
and Design
92 Steeles Avenue West
Willowdale
Telephone: (416) 222-4533
Manager: Ms. E. Peterson
PCEC
29. Eric S. Rosen Enterprise Limited
(Training School)
56 The Esplanade
Suite 403
Toronto M5E 1A6
Telephone: (416) 367-0297
Manager: Mr. E. S. Rosen
30. Ethel Gould Business College
1300 Carling Avenue
Ottawa K1Z 7L2
Telephone: (613) 729-8151
Manager: Mrs. E. Gould

-
31. Etobicoke Business College
4127 Dundas Street West
Toronto M8X 1X2
Telephone: (416) 233-5471
Manager: Miss B. Rowett
PCEC
-
32. General Tax Schools
2235A Yonge Street
Toronto M4S 2B1
Telephone: (416) 488-7873
Manager: Ms. D. M. Gardiner
-
33. General Welding School Ltd.
61-63 Jarvis Street
Toronto M5C 2H2
Telephone: (416) 363-7635
Manager: Mr. J. R. Lee
-
34. Glamour Girl School of Modelling
5415 Victoria Avenue
Niagara Falls L2G 3L1
Telephone: (416) 356-9304
Manager: Ms. M. J. Serio
-
35. Gloria Moody Charm and Modelling School
1420 Isabella Street
Thunder Bay P7E 5B9
Telephone: (807) 622-9084
Manager: Mrs. G. Moody
-
36. Granton Institute of Technology Limited
263 Adelaide Street West
Toronto M5H 1Y2
Telephone: (416) 364-5218
Manager: Mr. C. R. C. Hope
PCEC
-
37. Guelph Business College
87 MacDonell Street
Guelph N1H 2Z7
Telephone: (519) 824-3971
Manager: Mrs. C. P. Wells
-
38. H & R Block
15 Dunlop Street East
Barrie L4M 1A2
Telephone: (705) 726-3822
Manager: Mr. A. H. Bossenberry
-
39. H & R Block
8 Bridge Street East
Belleville K8N 1L3
Telephone: (613) 966-3742
Manager: Mr. B. Fyke
-
40. H & R Block
108 Keil Drive
Chatham N7M 3H1
Telephone: (519) 352-6712
Manager: Mr. P. Kelly
-
41. H & R Block (Canada) Ltd.
123 Woolwich Street
Guelph N1H 3V1
Telephone: (519) 824-3030
Manager: Mr. H. Sparrow
-
42. H & R Block (Canada) Ltd.
1315 Main Street East
Hamilton L8K 1B4
Telephone: (416) 547-7585
Manager: Mr. T. R. Bitz
-
43. H & R Block (Canada) Ltd.
40 Princess Street
Kingston K7L 1A4
Telephone: (613) 548-4446
Manager: Mr. J. Jeavons
-
44. H & R Block (Canada) Ltd.
693 King Street West
Kitchener N2G 1C9
Telephone: (519) 743-0372
Manager: Mr. H. C. Sparrow
-
45. H & R Block
24 Eric Street North
Leamington N8H 2Z3
Telephone: (519) 326-1135
Manager: Ms. C. A. Nesbitt
-
46. H & R Block (Canada) Ltd.
572 Dundas Street
London N6B 1W8
Telephone: (519) 438-0381
Manager: Mr. J. M. Collins
-
47. H & R Block (Canada) Ltd.
5904 Main Street
Niagara Falls L2G 5Z8
Telephone: (416) 356-4731
Manager: Mr. J. McLean
-
48. H & R Block (Canada) Ltd.
593 1/2 Bank Street
Ottawa K1S 3T4
Telephone: (613) 234-0924
Manager: Mr. C. Poirier
-
49. H & R Block
787 Second Avenue East
Owen Sound N4K 2G9
Telephone: (519) 376-8641
Manager: Mr. E. D. Ford
-
50. H & R Block (Canada) Ltd.
418 Water Street
Peterborough K9H 3L8
Telephone: (519) 743-3641
Manager: Mr. A. Dixon
-
51. H & R Block (Canada) Ltd.
45 Ontario Street
St. Catharines L2R 5J3
Telephone: (416) 682-9289
Manager: Mr. D. Doherty
-
52. H & R Block (Canada) Ltd.
104 South Christina Street
Sarnia N7T 2M6
Telephone: (519) 337-8531
Manager: Mr. J. Paterson
-
53. H & R Block (Canada) Ltd.
175 Queen Street East
Sault Ste. Marie P6A 1Y6
Telephone: (705) 949-1219
Manager: Mrs. R. Landers
-
54. H & R Block (Canada) Ltd.
311 Church Street
Stratford N5A 2R9
Telephone: (519) 273-3753
Manager: Mr. M. Sonik
-
55. H & R Block (Canada) Ltd.
1014 Victoria Avenue East
Thunder Bay P7C 1B6
Telephone: (807) 623-0131
Manager: Ms. M. McDougall
-
56. H & R Block (Canada) Limited
Tax Training Institute
910 Queen Street West
Toronto M6J 1G5
Telephone: (416) 532-8232
Manager: Mr. A. T. Dahdah
-
57. H & R Block (Canada) Ltd.
2059 Yonge Street
Toronto M4S 2A2
Telephone: (416) 485-1141
Manager: Mr. T. McBride
-
58. H & R Block (Canada) Ltd.
21 Hellems Avenue
Welland L3B 3A8
Telephone: (416) 735-3510
Manager: Mr. J. McLean
-
59. H & R Block (Canada) Ltd.
1478 Wyandotte Street East
Windsor N9A 3K9
Telephone: (519) 252-7131
Manager: Mr. G. Totten
-
60. H & R Block
361 Dundas Street
Woodstock N4S 1B6
Telephone: (519) 539-2461
Manager: Mr. J. R. Bitz
-
61. The Harvey Aslin School of Display
3694 St. Clair Avenue East
Scarborough M1M 1T3
Telephone: (416) 261-9234
Manager: Mr. J. H. Aslin
-
62. Herzog Institutes of Canada Ltd.
44 Eglinton Avenue West
Suite 310
Toronto M4R 1A1
Telephone: (416) 484-6996
Manager: Mr. J. B. Murchie
PCEC
-
63. Huntsville Secretarial Teaching Services
56 Main Street East
Huntsville P0A 1K0
Telephone: (416) 789-4267
Manager: Mrs. M. Cockram
PCEC
-
64. Institute of Technical Trades Ltd.
2388 Dundas Street West
Toronto M6P 1X9
Telephone: (416) 537-1215
Manager: Mr. E. T. O'Shaughnessy
PCEC
-
65. International Correspondence Schools
(Canadian) Ltd.
859 Kingsmere Avenue
Ottawa K2A 3J8
Telephone: (613) 722-2149
Manager: Mr. J. G. Shaughnessy
PCEC
-

Schools

- | | | |
|---|---|--|
| <p>66. International Data Processing Institute
(Hamilton) Limited
139 King Street East
Hamilton L8N 1B1
Telephone: (416) 528-1108
Manager: Mr. W. J. Bodner</p> <hr/> <p>67. International Ground Schools
2450 Derry Road East
Leavens Hanger
Room 211
Mississauga
Telephone: (416) 677-7549
Manager: Mr. C. D. Rampulla</p> <hr/> <p>68. International School of Travel
2279 Yonge Street
Suite 1
Toronto M4P 2C7
Telephone: (416) 486-7788
Manager: Mr. R. D. Mowder
PCEC</p> <hr/> <p>69. International Top Models
153 King Street East
Hamilton L8N 1B1
Telephone: (416) 528-0021
Manager: Mr. G. Bell</p> <hr/> <p>70. International Top Models
39 Water Street North
Kitchener N2H 5A6
Telephone: (519) 578-3880
Manager: Mr. G. Bell</p> <hr/> <p>71. International Top Models
402½ Clarence Street
London N6A 3M7
Telephone: (519) 438-4137
Manager: Mr. G. Bell</p> <hr/> <p>72. International Top Models
111 Sparks Street
Ottawa K1P 5B5
Telephone: (613) 236-9575
Manager: Mr. G. Bell</p> <hr/> <p>73. International Top Models
709 Yonge Street
Toronto M4Y 2B4
Telephone: (416) 923-7200
Manager: Mr. G. Bell</p> <hr/> <p>74. Jean Banfield Charm and Modelling
School
1884 Eglinton Avenue East
Suite 227
Scarborough M1L 2L1
Telephone: (416) 752-3331
Manager: Ms. K. Eluck</p> <hr/> <p>75. Judy Welch Modelling
& Charm Schools Ltd.
179 Avenue Road
Toronto M5R 2J2
Telephone: (416) 924-7474
Manager: Ms. J. Welch</p> <hr/> <p>76. K. D. Crone Associates Inc.
1041 Main Street East
Hamilton L8M 1N5
Telephone: (416) 549-1327
Manager: Mr. K. D. Crone
PCEC</p> | <p>77. King's Business College
1119 Victoria Avenue East
Thunder Bay P7C 1B7
Telephone: (807) 622-7061
Manager: Mr. C. W. King
PCEC</p> <hr/> <p>78. LaFortune Business College
447 Sussex Drive
Ottawa K1N 6Z4
Telephone: (613) 233-4791
Manager: Mr. D. LaFortune
PCEC</p> <hr/> <p>79. Lakehead Modelling School and Agency
176 Rupert Street
Thunder Bay P7B 3X1
Telephone: (807) 344-5973
Manager: Ms. P. Potts</p> <hr/> <p>80. Lambton Technical School
150 Exmouth Street
Sarnia N7T 5M3
Telephone: (519) 337-7527
Manager: Mr. G. Chatzissavas</p> <hr/> <p>81. Larocque Bilingual Business College
276½ Dalhousie Street
Ottawa K1N 7E6
Telephone: (613) 236-0443
Manager: Mrs. E. J. Larocque</p> <hr/> <p>82. La Salle Extension University
Suite 8B
4195 Dundas Street West
Toronto M8X 1Y4
Telephone: (416) 239-5343
Manager: Mr. G. Withell</p> <hr/> <p>83. Leadership Training Services Ltd.
1814A Eglinton Avenue East
Scarborough M1L 2L2
Telephone: (416) 752-7112
Manager: Mr. F. N. Lightfoot</p> <hr/> <p>84. Lincoln School of Welding
R.R. #2
Trenton K8V 5P5
Telephone: (613) 392-4826
Manager: Mr. E. Jones</p> <hr/> <p>85. London School of Business Limited
Suite 410
2 Bloor Street West
Toronto M4W 1A1
Telephone: (416) 923-7352
Manager: Mr. S. K. Mann
PCEC</p> <hr/> <p>86. Lorraine Hammond Agency
298 Elgin Street
Ottawa K2P 1M3
Telephone: (613) 232-9467
Manager: Ms. L. Hammann</p> <hr/> <p>87. Loughheed Business College Limited
10 Yonge Street
Kitchener N2H 4Y8
Telephone: (519) 745-1135
Manager: Mr. L. G. Loughheed
PCEC</p> | <p>88. MacKinnon Business School
53 Queen Street
Ottawa K1P 5C5
Telephone: (613) 233-6567
Manager: Mrs. F. C. Allin</p> <hr/> <p>89. Marguerite Bant Modelling
and Finishing School
159 Lake Street
St. Catharines L2R 5Y6
Telephone: (416) 684-8400
Manager: Ms. M. Bant
PCEC</p> <hr/> <p>90. Mary Smith Modelling Girls and
Finishing School Limited
148 Bank Street
Ottawa K1P 5N8
Telephone: (613) 232-3734
Manager: Ms. M. Smith</p> <hr/> <p>91. McGraw-Hill Continuing Education Center
330 Progress Avenue
Scarborough M1P 2Z5
Telephone: (416) 293-1911
Manager: Mr. S. J. Kenmuir
PCEC</p> <hr/> <p>92. Metzler Business School
77 Brock Street
Kingston K7L 1R8
Telephone: (613) 546-1254
Manager: Mrs. P. Owen
PCEC</p> <hr/> <p>93. Mountain School of Welding
1495 Upper James Street
Hamilton L9B 1K2
Telephone: (416) 383-7827
Manager: Mr. R. Jolley</p> <hr/> <p>94. National College
5740 Yonge Street
Suite 204
Willowdale M2M 3T4
Telephone: (416) 225-6476
Manager: Mr. D. A. MacLean</p> <hr/> <p>95. National Institute of Broadcasting
P.O. Box 2800
Don Mills M3C 2T9
Telephone: (416) 921-7811
Manager: Mr. J. C. Dickens
PCEC</p> <hr/> <p>96. Niagara Commercial College Ltd.
4509 Queen Street
Niagara Falls L2E 2L4
Telephone: (416) 356-3141
Manager: Mrs. A. Henderson</p> <hr/> <p>97. Nicolas Harvey Academy of Modelling
6 Crescent Road
Toronto M4W 1T1
Telephone: (416) 962-7297
Manager: Mr. L. Thomas</p> <hr/> <p>98. Ontario Business College Ltd.
54 Victoria Avenue
Belleville K8N 1Z7
Telephone: (613) 962-0870
Manager: Mrs. O. A. Brown
PCEC</p> |
|---|---|--|

Schools

-
99. Ontario School of Upholstery
185 Limestone Crescent
Downsview M3J 2R1
Telephone: (416) 661-9247
Manager: Mr. J. A. Smith
-
100. Oshawa Business College
18 Simcoe Street North
Oshawa L1G 4R8
Telephone: (416) 728-0052
Manager: Mr. H. M. Burns
-
101. Park Business College
Room 555
Federal Building
72 James Street North
Hamilton L8R 2K5
Telephone: (416) 522-5500
Manager: Mr. L. C. Freure
-
102. Pauline Floral School of Design
1180 Bloor Street West
Toronto M6H 1N1
Telephone: (416) 531-3531
Manager: Mr. R. P. Ross
-
103. Professional Studios — School
of Self-Improvement and Model Agency
160 Roger Street
Waterloo N2J 1A9
Telephone: (519) 744-8841
Manager: Miss C. Huehn
-
104. Radio College of Canada
461 King Street West
Toronto M5V 1K8
Telephone: (416) 364-5176
Manager: Mr. D. C. Coutts
PCEC
-
105. Radio Electronic Television
School of Toronto
8 Dundas Street West
Toronto M5G 1B7
Telephone: (416) 364-1161
Manager: Mr. J. D. Hatch
PCEC
-
106. Rita Mansfield Agency Modelling and
Finishing School
162 Holmwood Avenue
Ottawa K1S 2P4
Telephone: (613) 235-7351
Manager: Miss R. Mansfield
-
107. Ross Academy
259 Briarhill Road
London N5Y 4V8
Telephone: (519) 433-2261
Manager: Mr. P. Ross
-
108. St. Catharines Business College
23 Centre Street
St. Catharines L2R 3A8
Telephone: (416) 685-9421
Manager: Mr. E. H. Schellenberg
-
109. St. Catharines Business College
40 Division Street
Welland L3B 3Z6
Telephone: (416) 735-6180
Manager: Mr. E. H. Schellenberg
PCEC
-
110. School of Practical Accounting
1437 Yonge Street
2nd Floor
Toronto M4T 1Y6
Telephone: (416) 922-3535
Manager: Mr. E. J. McCormack
-
111. Select Models
50 St. Paul Street
St. Catharines L2R 3M2
Telephone: (416) 684-2258
Manager: Ms. N. Haskell
-
112. Shaw Central College
2436 Yonge Street
Toronto M4P 2H4
Telephone: (416) 481-6477
Manager: Mr. L. H. Porter
PCEC
-
113. Shaw Home Study College
2436 Yonge Street
Toronto M4P 2H4
Telephone: (416) 481-6477
Manager: Miss O. Patterson
-
114. Stevens Finishing School of Hamilton
41 King William Street
Hamilton L8R 1A2
Telephone: (416) 528-5901
Manager: Ms. P. Fisher
-
115. Students School of Custom Upholstery
495-7 Champagne Drive
Downsview M3J 2C6
Telephone: (416) 633-5552
Manager: Mrs. A. Shapiro
-
116. Sudbury Business College
30 Elgin Street North
Sudbury P3C 5B4
Telephone: (705) 673-8213
Manager: Mrs. E. Smith
PCEC
-
117. Sylvia Reiser Modelling and
Self-Development School
35 Geneva Drive
Hamilton L9C 3Z4
Telephone: (416) 389-1455
Manager: Mrs. S. Reiser
-
118. Tax Time Services Limited
Unit 13
1121 Invicta Drive
Oakville L6H 2R2
Telephone: (416) 844-7580
Manager: Mrs. J. E. Haynes
-
119. 3Ho Centre For The Healing Arts
Massage Therapy School
732 Spadina Avenue
Toronto M5S 2J2
Telephone: (416) 964-0620
Manager: Mr. G. S. Khalsa
-
120. Toronto Bartenders Training School
617A Bloor Street West
Toronto M6G 1K8
Telephone: (416) 531-3027
Manager: Mr. R. Robinson
-
121. Toronto School of Floral Design
2510 Yonge Street
#24
Toronto M4P 2H7
Telephone: (416) 482-3003
Manager: Mrs. M. L. Kruchak
-
122. Vogue Model School
432 Waterloo Street
London N6B 2P2
Telephone: (519) 438-4021
Manager: Ms. J. Rollinson
-
123. Walter Thornton School of Personal
Improvement and Modelling
60 Avenue Road
Toronto M5R 2H1
Telephone: (416) 923-4629
Manager: Ms. I. Monte
PCEC
-
124. Weller College Limited
6 Crescent Road
1st Floor
Toronto M4W 1T1
Telephone: (416) 924-4355
Manager: Mr. E. R. Sutton
-
125. Westervelt Business School Limited
190 Wortley Road
London N6C 4Y7
Telephone: (519) 679-0780
Manager: Mr. T. W. Thomas
PCEC
-
126. Westervelt Travel Institute Limited
190 Wortley Road
London N6C 4Y7
Telephone: (519) 679-0780
Manager: Mr. R. Henry
PCEC
-
127. Weston Business College
1705 Weston Road
Weston M9N 1V5
Telephone: (416) 247-5741
Manager: Mr. A. Bhabha
PCEC
-
128. Willis Business College Limited
85 O'Connor Street
Ottawa K1P 5M6
Telephone: (613) 233-1127
Manager: Mrs. M. A. Service
PCEC
-
129. Zehava School of Esthetics and
Cosmetology
292 Wilson Avenue
Downsview M3H 1S8
Telephone: (416) 633-6330
Manager: Mrs. Z. Saarony
-

Correspondence Study

Learning by correspondence offers an accepted alternative to enrolment in regular school sessions in either full-time or part-time study programs. People who are unable to attend regular school sessions now have the option of continuing their studies in a variety of fields and at different levels. Many people benefit from correspondence study who have missed higher education in the past, who need upgrading, refresher or work-related courses, or who, for interest, wish to continue their education.

In Ontario, correspondence teaching is offered by four types of institutions:

- 1) Correspondence Education Branch of the Ministry of Education
- 2) Private vocational schools (Private correspondence schools)
- 3) Universities
- 4) Colleges of applied arts and technology.

The Ministry of Education offers courses by correspondence in addition to the regular elementary and secondary school programs. Private vocational schools provide those unable to attend school full-time with the opportunity to gain job entry skills. University correspondence courses offer an alternative method of study for degree credit, while colleges of applied arts and technology offer correspondence teaching primarily in the business field.

Learning by correspondence allows a certain freedom with respect to time and place of study and a degree of independence and flexibility with respect to study habits. However, students thinking about study by correspondence should carefully consider the discipline and motivation that are required to progress without personal contact with teachers and fellow students and without benefit of school facilities.

*Universities Offering Correspondence Courses

University of Guelph, Guelph, Ontario
 Laurentian University, Sudbury, Ontario
 University of Ottawa, Ottawa, Ontario
 Ryerson Polytechnical Institute, Toronto, Ontario
 Queen's University, Kingston, Ontario
 University of Waterloo, Waterloo, Ontario
 The University of Western Ontario, London, Ontario

The variety of university subjects which may be studied by correspondence is limited and the number of credits which can be obtained is usually less than that required for a degree or diploma, necessitating further studies as a regular student. The University of Waterloo is the only institution which will grant a degree taken entirely by correspondence. Because a student is removed from the university campus, there is little or no interaction with other members of the class or with the teacher, and the use of the university library is curtailed. However, most universities will attempt to contact a student who is experiencing extreme difficulty, and some offer weekend seminars two or three times a year to assist with problems. Most universities also provide reading lists to facilitate the use of alternative resource centres.

University correspondence courses are usually closely tied to the normal academic calendar and conditions including admission requirements, tuition fees (average \$150) and academic standards are similar to those for regular students.

Academic programs by correspondence may be pursued over an extended period of time, but the normal workload per term is usually a maximum of two courses. Students may, in most cases, combine and/or alternate correspondence work with regular attendance, in compliance with the individual institution's residence requirement for the granting of a degree.

Each course normally requires a final exam which counts as a percentage of the final grade. These are written at a major centre close to the student's home or, in isolated areas, under the supervision of a responsible person appointed by the university.

Students who wish to take correspondence courses at one university for credit toward a degree at another institution should consult the particular institutional authorities. Some universities may not recognize correspondence courses as credit toward a degree.

Correspondence courses are also offered by universities throughout Canada, credit for which may be accepted by a university in Ontario granting a degree.

For more particular information on courses, application procedures and types of credit granted, students should consult the individual institutions.

University of Guelph

The University of Guelph co-ordinates correspondence courses offered in agriculture by the four colleges of agricultural technology in Ontario and the Ontario Agricultural College of the University of Guelph.

Courses are offered in soils, animal nutrition and farm income tax, all of which are necessary for a complete background in beef production and cash crops. Courses are revised to reflect current advances and changes in the field of agriculture.

Tuition for each course averages \$30-\$50 and includes a complete study package. The correspondence program is partially sponsored by the Ontario Ministry of Agriculture and Food, to the benefit of Ontario residents.

A letter of acknowledgement is provided upon completion of each course, and if a diploma program is developed in agriculture (similar to the established horticulture diploma program), credit will be granted toward such a diploma. The colleges of agricultural technology grant credit toward a diploma for courses taken through correspondence.

Further Information
 Mr. Gary Hutchinson
 Associate Professor
 Office of Continuing Education (Agriculture)
 University of Guelph
 Guelph, Ontario N1G 2W1
 Telephone (519) 824-4120

Laurentian University

Laurentian University offers five courses by correspondence, three of which form part of the university's extensive program in native studies.

Since there are a limited number of correspondence courses offered, a student who wishes to obtain a degree must attend Laurentian on a regular, on-campus basis, to obtain the required number of credits.

Students who wish to take correspondence courses from Laurentian must first obtain general admission to the university.

Correspondence courses generally consist of 25 lessons, and an examination for course evaluation upon completion.

Further Information

For information on the correspondence courses offered
 Centre for Continuing Education
 Laurentian University
 Sudbury, Ontario P3E 2C6

For information on admission requirements
 Office of Admissions
 Laurentian University
 Sudbury, Ontario P3E 2C6
 Telephone (705) 675-2280

University of Ottawa

The University of Ottawa offers a number of correspondence courses, both in English and in French, in classics, English literature, French literature, and mathematics.

Not more than five correspondence courses can be applied toward a degree at the University of Ottawa. The remaining courses must be taken in residence at the university, either full or part-time.

Following the sessional dates of the regular academic calendar, correspondence students may not normally take more than one calendar year to complete a full course. Evaluation for correspondence is normally by final examination immediately upon completion of the course.

Tuition fees are \$118 for a full course and \$59 for a half-course.

Further Information

Correspondence Courses
 Service for Continuing Education
 University of Ottawa
 5 Osgoode Street
 Ottawa, Ontario K1N 6N5
 Telephone (613) 231-2391

Ryerson Polytechnical Institute

The Correspondence Courses Office of the Division of Evening Studies at Ryerson offers a variety of certificate programs and individual courses directly related to the demands of the market place.

Courses are offered in such fields as business administration, merchandising administration, office administration, public administration, social service administration, electrical and electronic technology, and purchasing. Most courses can be started at any time and are designed to be completed comfortably within an academic year. Students are allowed to take two courses concurrently but are advised to consider carefully the time and work required.

Applicants for certificate programs must possess an Ontario Secondary School Graduation Diploma or its equivalent and should be employed in a field related to the subject area of the certificate program. Mature applicants over the age of 21 who lack the formal requirements may be admitted on a probationary basis. For individual courses, there are no educational prerequisites. A student who has previously taken courses similar to those offered may obtain credit up to a maximum of half the number of courses required for the completion of a certificate program provided standing is satisfactory.

The tuition fee for correspondence courses varies with the program or course.
Further Information
 Correspondence Courses Officer
 Division of Evening Studies
 Ryerson Polytechnical Institute
 50 Gould Street
 Toronto, Ontario M5B 1E8
 Telephone (416) 595-5129

Queen's University

Queen's University has been offering correspondence programs in the humanities and social sciences since 1889.

While Queen's does not have a residence requirement making it compulsory for students to take a certain number of courses for the degree by lecture on campus, it is not normally possible for a student to complete the degree requirements by taking correspondence courses only. Not all courses required for a concentration are offered by correspondence.

Correspondence courses normally require a final examination; some courses also require progress tests. Exam centres are located all over the world but isolated students may have a centre set up.

In an increasing number of correspondence courses, students are encouraged to make contact with the instructor either by phone or through weekend seminars. Attendance at these seminars is not compulsory. Books may be ordered from the university bookstore and borrowed from the university library. Tapes of course material are available although they are not a required part of any course.

Admission requirements to the correspondence program are the same as for the university as a whole. Unless otherwise indicated all correspondence courses begin in September and follow the sessional dates specified for the fall-winter session.

Tuition fees, \$125 per correspondence course, cover registration, lectures, laboratories, use of the libraries, grading for examinations and the final examination.

Further Information

Mr. M. Ross Wardle, Admissions Officer
 Department of Extension
 Queen's University
 Kingston, Ontario K7L 2N6
 Telephone (613) 547-3283

University of Waterloo

Undergraduate degrees in arts, mathematics, and science can be obtained completely by correspondence from the University of Waterloo. Special pre-university courses and graduate programs in a wide range of disciplines are also available.

The University of Waterloo is unique in that the basis of its correspondence program is formed by lectures recorded on audiotape cassettes accompanied by diagrams and equations where required. These, together with assigned problems, are prepared by the professor to explain and supplement material provided in the texts.

The basic organizational unit of Waterloo's correspondence program is the one-semester course (half-course), which consists of approximately 20 taped lectures of 40 minutes duration, each with accompanying lecture notes. Students generally take two half-courses per term although they may take from one to a maximum of five half-courses per term.

To mitigate some of the inherent disadvantages of correspondence study, arrangements can be made for University of Waterloo correspondence students to obtain library privileges at other universities and each professor attempts to include as much secondary material as possible in the material supplied with the course.

Laboratory work for science students and seminar participation for senior arts students, necessary for credit in some degree programs, are offered during the summer term, on-campus, in sessions of two or three weeks.

In most of the correspondence courses, performance on assignments counts for one third of the final grade with the remainder being based on the final examination, scheduled at the end of the term.

There is no limitation to the time taken to complete a degree on a part-time basis. However, students doing degrees on a part-time basis will be treated in the same manner as full-time students. No student will be allowed an indefinite number of failures while accumulating the number of course credits required for a degree.

Credits Toward Degrees

Unless otherwise stated all of the following may be taken entirely by correspondence, or as a combination of correspondence, regular and summer courses.

*Faculty of Arts

Three general Bachelor of Arts degrees: non-major, psychology, history.

Each requires 15 full credits, the equivalent of a three-year degree when taken full-time on campus.

Correspondence students are required to pass the English Language Proficiency Test which is written after completion of eight of the 15 credits required for a general Bachelor of Arts degree.

*Bachelor of Mathematics

Bachelor of Mathematics Pass Degree

Requires 16 full courses including six mathematics courses; the equivalent of a three-year degree when taken full-time on campus.

Bachelor of Mathematics General Degree

Requires 21 full courses including 12 mathematics courses; the equivalent of a four-year program when taken full-time on campus; cannot be obtained completely on a correspondence or part-time basis. It is required that a student spend at least two four-month terms on a full-time basis on campus, before the degree is granted.

*Faculty of Science

Bachelor of Science (general, non-major)

Requires 15 full courses of which at least eight must be science courses; the equivalent of a three-year program when taken full-time on campus.

Bachelor of Science (general, major)

Requires 20 full courses of which at least eight must be in the major field; the equivalent of a four-year program when taken full-time on campus; may be taken entirely on a part-time basis combining correspondence and summer courses for laboratory work.

General Interest Courses

Several general interest courses are available by correspondence, including *The Meaning of Civilization*, based on Kenneth Clark's film series on civilization offered in conjunction with TV Ontario.

Pre-University Courses

Correspondence programs are available in chemistry, mathematics and physics for those students who wish to qualify for university level courses but who do not have the necessary high school prerequisites. The pre-university courses are not degree-credit courses; they are used to gain admission to degree programs at the University of Waterloo.

The courses are designed to last four months, and two examinations must be taken, one at mid-term and one at the end of the course. A student may begin at any time and apply to write the examinations when ready.

Tuition fee for the pre-university course is \$75 plus a deposit of \$25 for tapes (refundable upon return).

Normally, University of Waterloo correspondence courses are not available to those with mailing addresses outside Canada and the United States.

Students over the age of 60 years and who are retired may be awarded a University Bursary to cover tuition and incidentals. Proof of eligibility for the bursary should be provided at the time of application.

Application deadlines are:

Winter term: December 1, 1977
 Spring term: March 14, 1978
 Summer term: June 1, 1978
 Fall term: September 12, 1978

Further Information

Director, Correspondence Program
 University of Waterloo
 Waterloo, Ontario N2L 3G1
 Telephone (519) 885-1211 ext. 2196

The University of Western Ontario

The University of Western Ontario offers correspondence courses making up programs in the humanities and social sciences. Applicants must be either Canadian residents or Canadian citizens living abroad.

The University of Western Ontario does have a residence requirement for students wishing to qualify for a 15-course Bachelor of Arts degree. The maximum number of courses which may be taken by correspondence toward a degree is 10; the remaining five must be taken either intramurally or by extension at the university. The maximum number of correspondence courses which may be taken during any one session is two. Correspondence courses are offered at Western only during the winter session (September-April).

Students registered at other universities may request permission to take correspondence courses at The University of Western Ontario for transfer of credit toward their home university. Students who wish to take courses in this manner must obtain a Letter of Permission naming the specific courses from the registrar of their university.

The tuition fee for all credit courses is \$145 payable at the time of registration.

Further Information

Correspondence Supervisor
The Summer School and Extension Department
The University of Western Ontario
London, Ontario N6A 5B8

For students wishing to take correspondence courses who have not previously attended Western, applications are available from Office of the Registrar—Admissions Stevenson Lawson Building The University of Western Ontario London, Ontario N6A 5B8 Telephone (519) 679-2314

•Correspondence Courses at Colleges of Applied Arts and Technology

Learning by correspondence through the colleges of applied arts and technology is little used as an alternate method of study. In keeping with the colleges' mandate for increased community involvement, emphasis has been placed on part-time and continuing education as the alternative to regular day-time study. Part-time and evening programs are offered by all the colleges at their various campus locations.

There are, however, colleges which do offer correspondence study as an additional study opportunity. Admission requirements are similar to college entrance requirements: satisfactory standing in Ontario year 4 (grade 12) or proof of qualification as a mature student (19 years of age and over).

Algonquin College

Algonquin College offers courses by correspondence which form part of the requirements for the three-year Business Administration Diploma. Many of these courses are also requirements for certificate programs offered by the Business Division.

Students may take a maximum of 24 courses by correspondence, allowing completion, by mail, of the equivalent of two years of the Business Administration Diploma program. Students must then attend the college full-time for two semesters (eight months) in order to qualify for a diploma.

Tuition fees, \$50 per course, include general information, assignments and supplements to the course textbook. Each course is approximately three months in duration. Examinations are held six times per year, in locations convenient for the student.

Further Information

Continuing Education Section
Business Division
Algonquin College of Applied Arts and Technology
1385 Woodroffe Avenue, Room B290
Ottawa, Ontario K2G 1V8

Durham College

Durham College offers a three-year correspondence program in accounting (six courses with a maximum of two courses per year). The course is similar to Durham's Advanced Business Evening Program. Upon successful completion of six credit subjects the student will be awarded a specialized accounting correspondence certificate.

Admission requirements include an Ontario Secondary School Graduation Diploma with year 4 (grade 12) English and preferably year 4 (grade 12) mathematics. Anyone 19 years of age or over is considered a mature student and may be admitted without the necessary prerequisites provided evidence is presented to indicate a likelihood of success in the program.

Courses which parallel the regular program, consist of 15 lessons, each of which occupies the average student for about 10 hours. Examinations are set by Durham College and are given in June. Supplemental examinations are held in September.

The fee for each correspondence course is \$90 which includes texts and other supplies. Application should be made no later than September 15.

Students wishing to continue their studies in the broader field of business may apply for credit toward a Durham College Advanced Evening Business Program diploma.

Further Information

Durham College of Applied Arts and Technology
Accounting Correspondence Program
P.O. Box 385
Oshawa, Ontario L1H 7L7

Conestoga College

Conestoga's Home Study Program provides students with an opportunity to gain the requirements necessary in mathematics and English for admission to post-secondary programs. After a brief initial testing, students work on their assignments at home. Some tests must be written at the college. The cost is \$50 for a 20-week program. There are no admission requirements, and students may enrol at any time providing the program is not filled.

Further Information

Continuing Education
Conestoga College of Applied Arts and Technology
435 King Street North
Waterloo, Ontario N2G 3W5
Telephone (519) 885-0300

•Private Vocational Schools

There are a number of private vocational schools in Ontario, registered under the Private Vocational Schools Act, which offer correspondence training. These schools aim to provide practical training in the skills employers demand.

Private correspondence schools, in business in Ontario for many years, are helping to fill the need for vocational training for those unable to attend regular classes. Individual students as well as employer-sponsored students are attracted by their varied and flexible programs.

The activities of these institutions in terms of course offerings, length of training, and fee per course vary a great deal (\$100 to \$2,000) depending on the nature of the courses being offered and the resources which are available to each private school. Some of the courses offered consist of a combination of residence and correspondence instruction, the residence portion usually comprising the latter part of the course.

The section in *Horizons*, "Private Vocational Schools", contains a directory list of all the private vocational schools registered in Ontario. Section 2 lists programs available by correspondence. The code numbers accompanying each course listing refer to the schools in the directory list, which offer that course.

•Education by Correspondence, Ministry of Education

Education by correspondence is available as an extension of the regular school program at the elementary and secondary school levels. Study by correspondence benefits a wide variety of students: mature students who wish to further their education, complete secondary school, gain admission to university, college, or training courses, or earn promotion in their employment; persons who wish to study, for personal satisfaction, subjects related to their interests, hobbies, or employment; third, fourth and fifth-year public secondary school students who wish to supplement their school programs; students temporarily absent from the province who wish to maintain continuity in their education; and students who are legally excused from school.

Elementary and secondary school courses are provided free of charge to Ontario residents. Textbooks for students taking year 5 courses must be purchased.

Courses may be started at any time and completed at the student's own rate. All certificates and diplomas granted have the same validity as those issued by the elementary and secondary schools.

At the secondary school level courses are available in business studies, English, français, French and German, geography, history and social sciences, Latin and classical studies, mathematics, science, technical subjects and visual arts. Elementary school correspondence courses, similar to those studied by students in school, are provided. Adults who have not completed elementary school but who wish to do some work to prepare for enrolment in secondary school should apply for two specified courses, one in English and one in mathematics.

Further Information

Correspondence Education Branch
909 Yonge Street
Toronto, Ontario M4W 3G2
Telephone (416) 965-2657

•Accountancy Courses

The Certified General Accountants Association of Ontario and the Society of Management Accountants of Ontario offer correspondence courses which, upon graduation, lead to the designation Certified General Accountant (CGA) and Registered Industrial Accountant (RIA) respectively.

Through the CGA Association, a course of study is offered in such management studies as financial management, information systems, and controllership. The program of study is primarily by correspondence, supplemented by lectures in different locations throughout the province.

The course is national and all subjects, other than provincial statutes are identical in each province.

For further information on the CGA program of study, on admission requirements and on the organization, please refer to page 114 of *Horizons*.

The Society of Management Accountants of Ontario (formerly the Society of Industrial Accountants of Ontario) offers a professional education course, the only program which specializes in the field of industrial and management accounting. Available by correspondence, this five-level study program leads to the designation RIA. The RIA course teaches the concepts and techniques of management accounting, law, statistics and other relevant areas of financial management.

For further information on the society, the admission requirements and on the courses required, please refer to page 115 of *Horizons*.

•Open College

Correspondence study through radio broadcasts has been developed by Open College in affiliation with radio CJRT-FM. Students registered with Open College receive written instructions, self-study materials with practical notes along with broadcast and recorded lessons. Regular but optional study weekends, with tutors at Ryerson Polytechnical Institute, is also an integral part of the program. Each program is broadcast three times weekly, in the afternoon, in the evening and on Sunday. The range of the broadcast is a 45 mile radius of Toronto on the FM dial and 80 miles on cable.

Students of Open College earn Ryerson credits which may be recognized for degree credit by individual Ontario universities. Non-credit courses are also offered. There are no academic prerequisites.

Tuition for Open College courses is approximately \$100 per course. Reduced rates are available for senior citizens.

Further Information

Open College
297 Victoria Street
Toronto, Ontario M5B 1W1
Telephone (416) 595-5273

Facilities for Handicapped Students

Ontario Colleges and Universities

Almost all public post-secondary institutions in Ontario are at least partially able to accommodate the needs of handicapped students. Both universities and colleges have made efforts to increase the accessibility of on-campus post-secondary education.

Increased accessibility requires that special care be given to the elimination of the hazards and nuisances that inconvenience the handicapped. This includes the provision of special physical facilities and study facilities.

In recent years many new buildings have been designed giving consideration to the needs of the handicapped, and where possible, older buildings are being fitted with improved facilities.

Some institutions have more complete facilities than others, but all are willing to make arrangements, where possible, to accommodate individuals with handicaps, and fellow students are usually present to provide assistance.

General Information

•Universities

Most of the universities have special facilities such as ramps, ground floor access, curb cuts and elevators, that make most student areas readily accessible to handicapped students. All the buildings at Carleton University in Ottawa are connected by tunnels with elevators at tunnel level, making the entire university open to persons in wheelchairs.

The availability of elevators in most university buildings is increased by the use of service elevators where necessary. Newer on-campus buildings have passenger elevators, some with controls that have been placed within reach of those in wheelchairs, but service elevators can be found and used in most university teaching buildings and libraries.

Specially equipped washrooms are available on most campuses but they may be scarce in older buildings. Handicapped students should be aware of their locations before beginning classes.

Recreation facilities able to accommodate handicapped students are not readily available. At Carleton University in Ottawa, modifications to the pool in the Physical Recreation Centre make the water level flush with the floor, thus facilitating entry and exit from the water. Special rates are available to the handicapped for the use of these facilities. The Department of Kinetics of the University of Guelph runs clinics for the handicapped and coaches physically able students in the assistance of the handicapped.

Residence facilities can be arranged at most universities. If the residences are not fully equipped and easily accessible throughout, handicapped students may be placed on the ground floor. Special provisions for the blind at the University of Toronto include the keeping of seeing-eye dogs in the residence.

Special parking permits may be available to persons with ambulatory problems. The City of Guelph provides a door-to-door van service that benefits the handicapped student at the University of Guelph. The City of Thunder Bay provides the use of Handi-vans to handicapped students at Lakehead University.

Library facilities, including physical accessibility and the availability of study material in a medium that can be used by students with different handicaps, should be closely scrutinized when considering a choice of university and career. Most university libraries are at least partially able to accommodate handicapped students. Brock University provides reading rooms for the blind and partially-sighted who are being read to. Closed carrels normally assigned to fourth year students are assigned to handicapped students. The University of Guelph's library is fully accessible with a ramped entrance and turnstiles which permit the passage of wheelchairs. Full-sized graduate study carrels equipped with lockers are available to handicapped students. The University of Toronto provides closed carrels where tapes of lessons and books may be listened to.

Classroom study aids, made available to handicapped students, are most important for studying and learning. Audiotapes, braille books and special equipment are available in some university libraries. Trent University in Peterborough has developed a considerable library of audiotapes as part of Trent's Audio Library Program. Several universities maintain liaison with the Program to provide the audiotape service to their students: University of Toronto and York University. At Brock University, the library can obtain from the University of British Columbia, taped material for courses which may be kept for the duration of the course. The University of Guelph also arranges for talking books for blind students either as recorded or individually read material. At the University of Toronto, a special braille section can be found in the library.

Other special accommodations for handicapped students include: the waiving of tuition fees for the handicapped at the University of Ottawa upon presentation of a medical certificate, the availability of the University of Toronto ombudsman to act on behalf of students with special needs; the individual teacher/student relationships possible at Queen's University and Trent University. At Carleton University, an on-campus association of handicapped students, the Quest Club, extends services, information and recreation to the handicapped. The Department of Student Affairs at Guelph University provides information on community services available to, and arranges visits and consultations for, handicapped students wishing to study at Guelph. *A Guide to the Physical Accessibility of the University of Toronto*, published in 1976, is available for reference for those students considering attending the University of Toronto. A Centre for Handicapped Students has recently been established at York University.

•Colleges of Applied Arts and Technology

Facilities for the handicapped at the colleges of applied arts and technology vary from one college to the next and from campus to campus. Although community colleges have only been in existence for 10 years, many of the campus buildings are older. Of the newer buildings constructed after the introduction of the college system, many have the physical facilities, ramps, specially equipped washrooms and elevators, required to give ready access to most student areas. But some older campus buildings have very few facilities for the handicapped. Students should check with the college they are interested in to ensure reasonable accessibility.

To encourage handicapped students to consider the Medical Laboratory Program, Cambrian College in Sudbury has installed ramps to provide access to the laboratories at the Regent Street Campus. The Woodroffe Campus of Algonquin College provides facilities for the handicapped including generators for the use of students in electric wheelchairs. The Adult Training Building at Durham College is equipped with facilities that permit handicapped adults to attend.

Special parking facilities usually can be arranged to provide easy access to campus buildings. Centennial College in Toronto, Fanshawe College in London and St. Lawrence College in Kingston have special parking areas readily available.

Community colleges, having been designed as commuter colleges, have very few residences for students attending college from out-of-town. Handicapped students will normally have to make their own accommodation arrangements.

The availability of classroom aids and special study material is dependent on the program being studied. Lambton College in Sarnia has developed some special learning resources material in certain fields. Various other sources may be found, with the college's help, by students requiring tapes and readers in order to study. George Brown College in Toronto has instituted a unique program for the deaf which includes pre-registration survival lectures, special guidance into regular classes, sports facilities for the hearing-impaired, and tutoring, counselling and interpretative services. Fanshawe College in London offers a special speed typing course to those who lack digits. In Windsor, St. Clair College Department of Continuing Education has designed a night school program specially for the handicapped. Tuition for these night school courses is approximately \$5 for anyone on a disability allowance. Sault College in Sault Ste. Marie offers extension courses in lip reading and sign language to interested students. The Sheridan College School of Design in Mississauga is built such that all craft studios are located on one level to facilitate easy access.

•Further Information

A more complete listing of the facilities and special arrangements that are available at Ontario universities and colleges of applied arts and technology may be obtained by contacting Information Resources Branch Ministry of Colleges and Universities Mowat Block, 9th Floor Queen's Park Toronto, Ontario M7A 1B9 Telephone (416) 965-6134

For information on individual institutions, the following may be contacted:

Universities

The Assistant Registrar
Brock University
St. Catharines, Ontario L2S 3A1
Telephone (416) 684-7201 ext. 262

The Dean of Student Services
Carleton University
Ottawa, Ontario K1S 5B6
Telephone (613) 231-3723

Department of Student Affairs
University Centre, Level 3
University of Guelph
Guelph, Ontario N1G 2W1
Telephone (519) 824-4120 ext. 3953

Information and Media Services Director
Lakehead University
Thunder Bay, Ontario P7B 5E1
Telephone (807) 345-2121 ext. 300

Director, Public Relations
Laurentian University
Sudbury, Ontario P3E 2C6
Telephone (705) 675-1151 ext. 451

Dean of Students, Student Affairs
McMaster University
Hamilton, Ontario L8S 4L8
Telephone (416) 525-4649

Director, Public Relations and Information Services
University of Ottawa
Ottawa, Ontario K1N 6N5
Telephone (613) 231-2260

Vice-President, Development and Information
Queen's University
Kingston, Ontario K7L 3N6
Telephone (613) 547-3244

Director, Student Services
Ryerson Polytechnical Institute
Toronto, Ontario M5B 1E8
Telephone (416) 595-5280

Coordinator of Campus Services
Rm. 112, Simcoe Hall
University of Toronto
Toronto, Ontario M5S 1A1
Telephone (416) 978-2196

Director of Admissions
Trent University
Peterborough, Ontario K9J 7B8
Telephone (705) 748-1215

Director, Information Services
University of Waterloo
Waterloo, Ontario N2L 3G1
Telephone (519) 885-2238

Director, Student Services
The University of Western Ontario
London, Ontario N6A 3K7
Telephone (519) 679-2408

Director of Student Services
Wilfrid Laurier University
Waterloo, Ontario N2L 3C5
Telephone (519) 884-1970 ext. 253

Director, Public Relations and
Information Services
University of Windsor
Windsor, Ontario N9B 3P4
Telephone (519) 253-4232 ext. 216

Centre for Handicapped Students
York University
4700 Keele Street
Downsview, Ontario M3J 1P3
Telephone (416) 667-2100

Information Officer
Ontario College of Art
100 McCaul Street
Toronto, Ontario
Telephone (416) 362-5311 ext. 36

Colleges of Applied Arts and Technology

Registrar
Algonquin College
1385 Woodroffe Avenue
Ottawa, Ontario K2G 1V8
Telephone (613) 725-7517

Dean, Student Services
Cambrian College
1400 Barrydowne Road
Sudbury, Ontario P3A 3V8
Telephone (705) 566-8101 ext. 390

Director, Student Services
Canadore College
P.O. Box 5001
North Bay, Ontario P1B 8K9
Telephone (705) 474-2199

Director of Student Services
Centennial College
651 Warden Avenue
Scarborough, Ontario M1L 3Z6
Telephone (416) 694-3241 ext. 251

Director of Student Services
Conestoga College
299 Doon Valley Drive
Kitchener, Ontario N2G 3W5
Telephone (519) 653-2511 ext. 203

Director, Resource and Student Services
Confederation College
P.O. Box 338
Thunder Bay, Ontario P7C 4W1
Telephone (807) 577-5751 ext. 361

Registrar and Director of Student Affairs
Durham College
Simcoe Street North
Oshawa, Ontario L1H 7L7
Telephone (416) 576-0210 ext. 254

Registrar
Fanshawe College
P.O. Box 4005, Terminal "C"
London, Ontario N5W 5H1
Telephone (519) 451-7270 ext. 217

Director, Student Services
George Brown College
P.O. Box 1015
Toronto, Ontario M5T 2T9
Telephone (416) 967-1212 ext. 236/253

Dean, Educational and Student Services
Georgian College
401 Duckworth Street
Barrie, Ontario L4M 3X9
Telephone (705) 728-1951 ext. 306

Registrar
Humber College
P.O. Box 1900
Rexdale, Ontario M9W 5L7
Telephone (416) 675-3111 ext. 297

Registrar and Director of Student Services
Lambton College
P.O. Box 969
Sarnia, Ontario N4T 7K4
Telephone (519) 542-7751 ext. 210

Director, Student Services
Loyalist College
P.O. Box 4200
Belleville, Ontario K8N 5B9
Telephone (613) 962-9501 ext. 240

Director of Student Services
Mohawk College
135 Fennell Avenue West
Hamilton, Ontario L8N 3T2
Telephone (416) 389-4461 ext. 268

Director, Student Services
Niagara College
Woodlawn Road
Welland, Ontario L3B 5S2
Telephone (416) 735-2211 ext. 278

Director of Student Services, Registrar
Northern College
Highway 101, P.O. Box 2002
South Porcupine, Ontario P0N 1H0
Telephone (705) 235-3211 ext. 213

Dean of Student Services
St. Clair College
2000 Talbot Road West
Windsor, Ontario N9A 6S4
Telephone (519) 966-1656 ext. 240

Chairman, Student Services
St. Lawrence College
Kingston, Ontario K7L 5A6
Telephone (613) 544-5400 ext. 118

Registrar
Sault College
443 Northern Avenue, P.O. Box 60
Sault Ste. Marie, Ontario P6A 5L3
Telephone (705) 949-2050 ext. 215

Registrar
Seneca College
1750 Finch Avenue East
Willowdale, Ontario M2N 5T7
Telephone (416) 491-5050 ext. 227

Registrar
Sheridan College
1430 Trafalgar Road
Oakville, Ontario L6H 2L1
Telephone (416) 823-9730 ext. 148

Registrar
Sir Sandford Fleming College
Brealey Drive
Peterborough, Ontario K9J 7B1
Telephone (705) 743-5610

Study Opportunities for Senior Citizens

Universities

General Information

Both regular and part-time university study is open to senior citizens and nearly all universities offer free tuition. The University of Guelph and Wilfrid Laurier University waive tuition fees for senior citizens only when studies consist of non-credit courses undertaken through the Office of Continuing /Part-time Studies. There are no admission requirements specific to senior citizens except proof of age. Several universities admit students who are at least 60 years of age as senior citizens, but most require proof that the student is 65 years of age or over.

Senior citizens are normally admitted as mature students. Those who wish to enter a program of study leading to a degree must demonstrate the academic ability required to satisfactorily complete university level courses. Most universities set a one-year period of probation for assessment of this academic ability. General aptitude tests may also be required.

The overwhelming majority of senior citizens enrolled in Ontario universities are taking part-time studies for personal interest.

Since tuition is waived for senior citizens, entry to courses which are restricted in number may be denied in some instances. Such courses are generally career-oriented and are usually of little interest to senior citizens. In all other respects, senior citizens enjoy the same privileges and are governed by the same regulations as regular students.

Special Programs

Trent University offers counselling for senior citizens through its college of part-time studies, Julian Blackburn College. Bursaries equivalent to tuition are available at The University of Western Ontario in the faculties of Arts and Science, and Social Sciences.

Colleges of Applied Arts and Technology

General Information

Almost all of Ontario's colleges of applied arts and technology offer courses through their Departments of Continuing Education or Extension to senior citizens for a nominal fee of \$5 per course. There are no specific admission requirements and senior citizens are normally admitted under the mature students category. They are expected to meet normal academic standards and to be responsible for any incidental course fees which may be incurred for materials, labs, etc.

Reduced fees for both full and part-time studies by senior citizens are offered by Cambrian, Centennial, Fanshawe, Niagara, St. Clair, and Sir Sandford Fleming colleges. The remainder of the colleges do not waive normal fees for senior citizens who wish to study as full-time students. Colleges may differ somewhat in their admission regulations; prospective students are advised to check with the institution they want to attend.

Special Programs

Humber College offers an extensive variety of specialized courses for senior citizens through its Third Age College. A series of courses has been designed by Mohawk College dealing with retirement planning and the problems of retirement. Seneca College offers courses at several homes for senior citizens (Central Park Lodge, Creative Living Centre, Cummer House). In addition, the Lawrence and Jane Campuses of Seneca College offer courses in handicrafts for senior citizens who are blind.

Further Information

Information on study opportunities available for senior citizens at Ontario's colleges and universities is available free of charge from Information Resources Branch Ministry of Colleges and Universities Mowat Block, Queen's Park Toronto, Ontario M7A 1B9 Telephone (416) 965-6134

The following may be contacted for information on programs and facilities for senior citizens.

Universities

Assistant Registrar, Admissions
Brock University
St. Catharines, Ontario L2S 3A1
Telephone (416) 684-7201 ext. 262

Office of Continuing Education
Carleton University
Ottawa, Ontario K1S 5B6
Telephone (613) 231-4321

Office of Continuing Education
University of Guelph
Guelph, Ontario N1G 2W1
Telephone (519) 824-4120

Director of Continuing Education
Lakehead University
Thunder Bay, Ontario P7B 5E1
Telephone (807) 345-2121 ext. 210

Director, Continuing Education
Laurentian University
Sudbury, Ontario P3E 2C6
Telephone (705) 675-1151 ext. 500

Dean, School of Adult Education
McMaster University
Hamilton, Ontario L8S 4L8
Telephone (416) 525-4691

Registrar
University of Ottawa
Ottawa, Ontario K1N 6N5
Telephone (613) 231-4937

Registrar
Queen's University
Kingston, Ontario K7L 3N6
Telephone (613) 547-2639

Associate Registrar (Admissions)
Ryerson Polytechnical Institute
Toronto, Ontario M5B 1E8
Telephone (416) 595-5028

Woodsworth College
University of Toronto
Toronto, Ontario M5S 1A1
Telephone (416) 978-5301

Director of Admissions
Trent University
Peterborough, Ontario K9J 7B8
Telephone (705) 748-1215

School of Part-time Studies
University of Waterloo
Waterloo, Ontario N2L 3G1
Telephone (519) 885-3447

Registrar
The University of Western Ontario
London, Ontario N6A 3K7
Telephone (519) 679-2308

Director of Office of Continuing Education
Wilfrid Laurier University
Waterloo, Ontario N2L 3C5
Telephone (519) 884-1970 ext. 446

Director of Part-time Studies
University of Windsor
Windsor, Ontario N9B 3P4
Telephone (519) 253-4232

Director, Centre for Continuing Education
York University
4700 Keele Street
Downsview, Ontario M3J 1P3
Telephone (416) 667-2369

Colleges of Applied Arts and Technology

Dean, Continuing Education
Algonquin College
1385 Woodroffe Avenue
Ottawa, Ontario K2G 1V8
Telephone (613) 725-7279

Director, Extension Division
Cambrian College
1400 Barrydowne Road, Station "A"
Sudbury, Ontario P3A 3V8
Telephone (705) 566-8101 ext. 454

Dean, Continuing Education
Canadore College
P.O. Box 5001
North Bay, Ontario P1B 8K9
Telephone (705) 474-2371

Dean, Continuing Education
Centennial College
651 Warden Avenue
Scarborough, Ontario M1L 3Z6
Telephone (416) 694-3241 ext. 249

Continuing Education
Conestoga College
299 Doon Valley Drive
Kitchener, Ontario N2G 3W5
Telephone (519) 653-2511

Dean, Continuing Education
Confederation College
P.O. Box 398
Thunder Bay, Ontario P7C 4W1
Telephone (807) 577-5751 ext. 115

Student Affairs and Admissions Officer
Durham College
Simcoe Street North
Oshawa, Ontario L1H 7L7
Telephone (416) 576-0210 ext. 262

Admissions Officer
Fanshawe College
 P.O. Box 4005, Terminal "C"
 London, Ontario N5W 5H1
 Telephone (519) 451-7270 ext. 217

Chief Registrar
George Brown College
 P.O. Box 1015
 Toronto, Ontario M5T 2T9
 Telephone (416) 967-1212 ext. 226/227

Dean, Continuing Education
Georgian College
 401 Duckworth Street
 Barrie, Ontario L4M 3X9
 Telephone (705) 728-1951 ext. 312

Director, Admissions
Humber College
 P.O. Box 1900
 Rexdale, Ontario M9W 5L7
 Telephone (416) 675-3111 ext. 219

Registrar and Director of
 Student Services
Lambton College
 P.O. Box 969
 Sarnia, Ontario N4T 7K4
 Telephone (519) 542-7751 ext. 210

Director of Extension
Loyalist College
 P.O. Box 4200
 Belleville, Ontario K8N 5B9
 Telephone (613) 962-9501 ext. 278

Dean of Continuing Education
Mohawk College
 135 Fennell Avenue West
 Hamilton, Ontario L8N 3T2
 Telephone (416) 389-4461 ext. 280

Admissions Secretary
Niagara College
 Woodlawn Road
 Welland, Ontario L3B 5S2
 Telephone (416) 735-2211 ext. 316

Coordinator, TIBI, MDP, and Extension
Northern College
 Highway 101, P.O. Box 2002
 South Porcupine, Ontario P0N 1H0
 Telephone (705) 235-3211 ext. 233

Dean, School of Continuing Education
St. Clair College
 2000 Talbot Road West
 Windsor, Ontario N9A 6S4
 Telephone (519) 966-1656 ext. 431

Chairman, Continuing Education
St. Lawrence College
 Tri-Campus Administration, Newcourt House
 Kingston, Ontario K7L 5A6
 Telephone (613) 544-5400 ext. 117

Dean, Continuing Education
Sault College
 443 Northern Avenue, P.O. Box 60
 Sault Ste. Marie, Ontario P6A 5L3
 Telephone (705) 949-2050 ext. 330

Dean, Continuing Education
Seneca College
 1750 Finch Avenue East
 Willowdale, Ontario M2N 5T7
 Telephone (416) 491-5050 ext. 468

Admissions Officer
Sheridan College
 1430 Trafalgar Road
 Oakville, Ontario L6H 2L1
 Telephone (416) 823-9730

Chairman, Continuing Education Division
Sir Sandford Fleming College
 Brealey Drive
 Peterborough, Ontario K9J 7B1
 Telephone (705) 743-5620



Selected Reference Publications

Some of these publications will be available in secondary school guidance offices, public libraries, and at college and university admissions offices and libraries. Specific sources are listed below.

*Careers

Career Selector

Free
Data on over 100 careers, nature of work, training, qualifications, remuneration, etc.
Women's Bureau
Ministry of Labour
400 University Avenue
Toronto, Ontario M7A 1T7

Careers Updated

\$1.50
Career information on 17 categories including business and public service.
Ontario Educational Research Council
1260 Bay Street, 6th Floor
Toronto, Ontario M5R 2B1

Occupational Information Monographs

60¢
Request free check list of leaflets on some 200 careers. Further information in individual monography form available at 60¢ per copy.
Guidance Centre
Faculty of Education
University of Toronto
1000 Yonge Street
Toronto, Ontario M4W 2K8

University and Community College Career Outlook

Free
Provides a complete outline in chart form of college and university programs and their related careers in Canada. Information is organized regionally.
Manpower Information and Analysis Branch
Program Development Service
Department of Manpower and Immigration
Ottawa, Ontario K1A 0J9

*Education

Accredited Institutions of Higher Education

\$8.50
Annual listing of accredited colleges and universities in the United States.
American Council on Education
One Dupont Circle
Washington, D.C. 20036

After 8?

Free
A guide for students in grade 8 and their parents. Contains basic information on the secondary and post-secondary educational systems in Ontario.
Information Resources Branch
Ministry of Colleges and Universities
Mowat Block, Queen's Park
Toronto, Ontario M7A 1B9

American Universities and Colleges

\$42.00
A descriptive directory of 1,441 educational institutions and accredited professional schools in 37 fields.
American Council on Education
One Dupont Circle
Washington, D.C. 20036

Apprenticeship and You

Free
Information on the system of apprenticeship in Ontario. Contains descriptions of regulated trades and non-regulated trades.
Information Resources Branch
Ministry of Colleges and Universities
Mowat Block, Queen's Park
Toronto, Ontario M7A 1B9

The College Blue Book

\$98.20
A book in three volumes which describes over 3,000 U.S. colleges in detail including information about application procedures, entrance requirements, costs, accreditation, enrolment figures, faculty, and offerings in subject areas.
Collier MacMillan Canada, Ltd.
539 Collier MacMillan Drive
Cambridge, Ontario N1R 5W9

Commonwealth Universities Yearbook

\$50.00
A directory to the universities of the Commonwealth and the handbook of their Association.
Association of Universities and Colleges of Canada
151 Slater Street
Ottawa, Ontario K1P 5N1

A Compendium of University Entrance Requirements for First Degree Courses in the United Kingdom

£2.90
Lund Humphries
The Country Press
Drummond Road
Bradford, England BD8 8DH

Directory of Registered Private Vocational Schools

Free
Information Resources Branch
Ministry of Colleges and Universities
Mowat Block, Queen's Park
Toronto, Ontario M7A 1B9

Higher Education in the United Kingdom

\$7.25
A handbook for students from overseas and their advisers.
Longman Canada Limited
55 Barber Greene Road
Don Mills, Ontario M3C 2A1

International Handbook and Universities

\$32.00
American Council on Education
One Dupont Circle
Washington, D.C. 20036

Nursing

Free
A booklet outlining admission requirements and selection procedures for students who wish to enter nursing programs in Ontario.
Information Resources Branch
Ministry of Colleges and Universities
Mowat Block, Queen's Park
Toronto, Ontario M7A 1B9

Peterson's Annual Guide to Undergraduate Study

\$12.00
Complete information on universities in Canada and the U.S. including charts of programs, financial aid and entrance requirements. Book orders must be pre-paid.
Book Order Department
Peterson's Guides
P.O. Box 2123
Princeton, New Jersey 08540

Spectrum

\$2.50
Basic information on colleges, universities and other education in Ontario.
Guidance Centre
Faculty of Education
University of Toronto
1000 Yonge Street
Toronto, Ontario M4W 2K8

Study Abroad

\$7.95

International scholarships and courses.
A directory to study opportunities at the
university level throughout the world.
E and T Books
221 Yonge Street
Toronto, Ontario M5B 1N4

Universities and Colleges of Canada

\$9.00 in Canada

\$10.80 elsewhere

Contains basic information on 70 universities
and their affiliated colleges; a listing of
research institutes; a listing of community
colleges; a comprehensive table of university
programs.

Publications Distribution Unit
Statistics Canada
Ottawa, Ontario K1A 0Z5

The World of Learning

£21.00

Contains the names, addresses and other de-
tails of over 2,400 universities, colleges,
libraries, museums, art galleries, learned
societies and research institutes throughout
the world.

Europa Publications Limited
18 Bedford Square
London, England WC1B 3JN

Financial Aid*Bursaries for Secondary School Students**

Free

Bilingual brochure outlining assistance
to needy secondary school students for
final year studies.
Information Systems and Records Branch
Ministry of Education
Mowat Block, Queen's Park
Toronto, Ontario M7A 1L2

Canada Student Loans Plan

Free

Bilingual brochure outlining federally guar-
anteed loans for post-secondary students.
Student Awards Branch
Ministry of Colleges and Universities
Mowat Block, Queen's Park
Toronto, Ontario M7A 2B4

Ontario Special Bursary Program

Free

A bilingual brochure outlining provincial
assistance for part-time students who are
receiving social assistance, are unem-
ployed, or have a low family income.
Student Awards Branch
Ministry of Colleges and Universities
Mowat Block, Queen's Park
Toronto, Ontario M7A 2B4

Ontario Student Assistance Program

Free

A booklet outlining Ontario financial
assistance to post-secondary students
(OSAP).
Available in English or French.
Student Awards Branch
Ministry of Colleges and Universities
Mowat Block, Queen's Park
Toronto, Ontario M7A 2B4

Ontario Student Loans Plan

Free

Booklet outlining provincially guaranteed
loans for post-secondary students who do
not qualify for assistance under OSAP or
the Canada Student Loans Plan.
Available in English or French.
Student Awards Branch
Ministry of Colleges and Universities
Mowat Block, Queen's Park
Toronto, Ontario M7A 2B4

Second Language Bursary and Fellowship Programs

Free

Brochures and applications for a variety
of assistance programs to encourage
minority language teaching and study.
Student Awards Branch
Ministry of Colleges and Universities
Mowat Block, Queen's Park
Toronto, Ontario M7A 2B4

Notes

